

FIG. 1

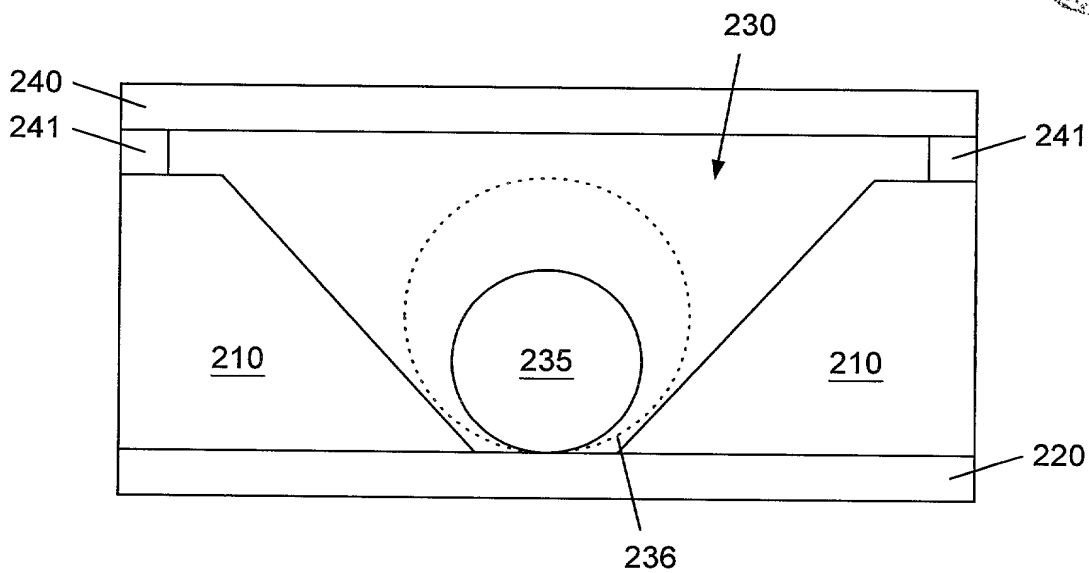
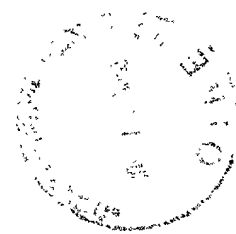


FIG. 2

208T20" 0082200T

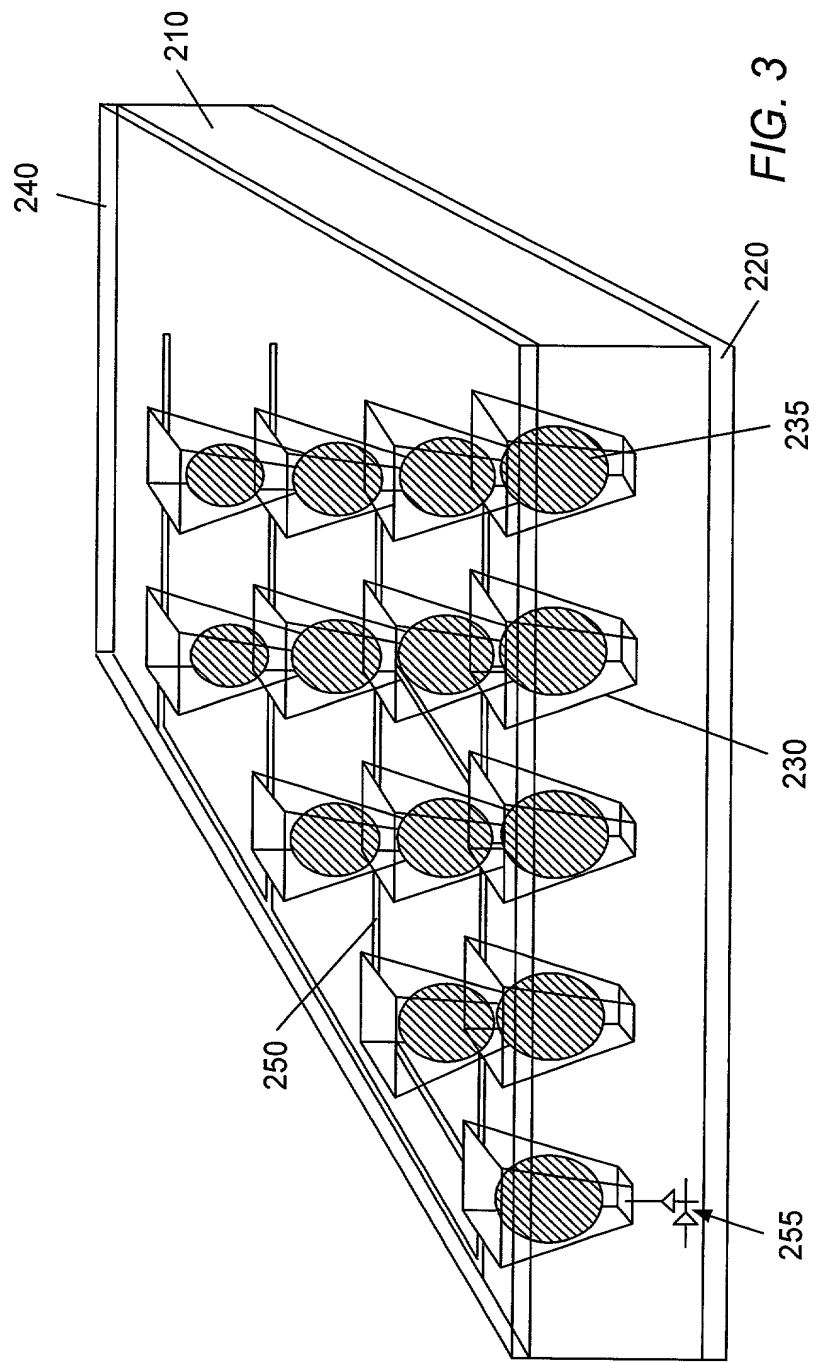
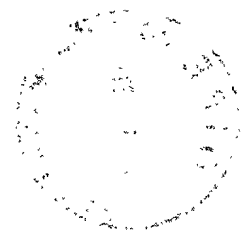
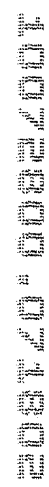
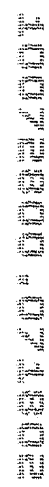
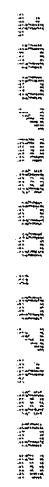


FIG. 3



100-26970-1

[illegible]

100-26970

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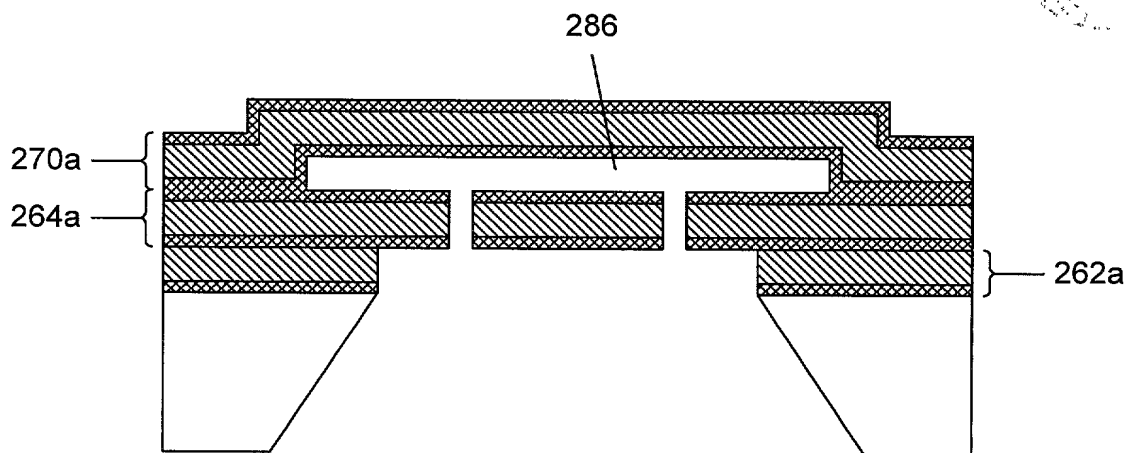


FIG. 4D

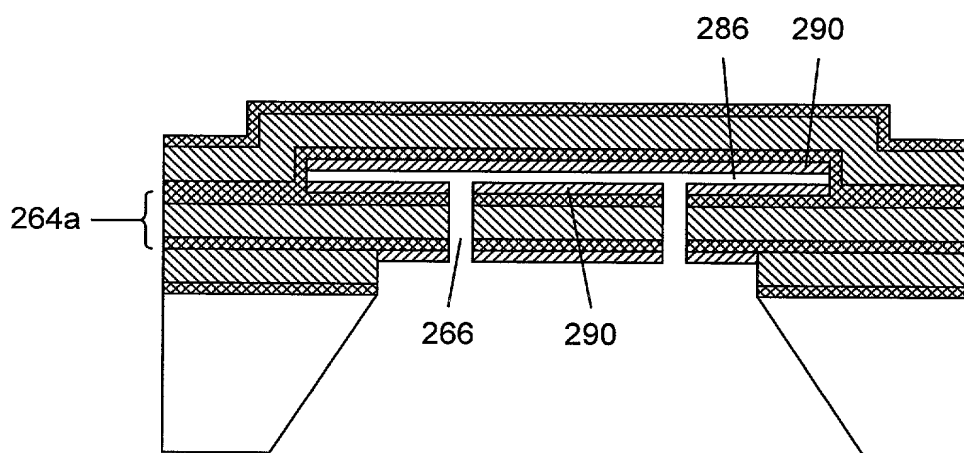


FIG. 4E

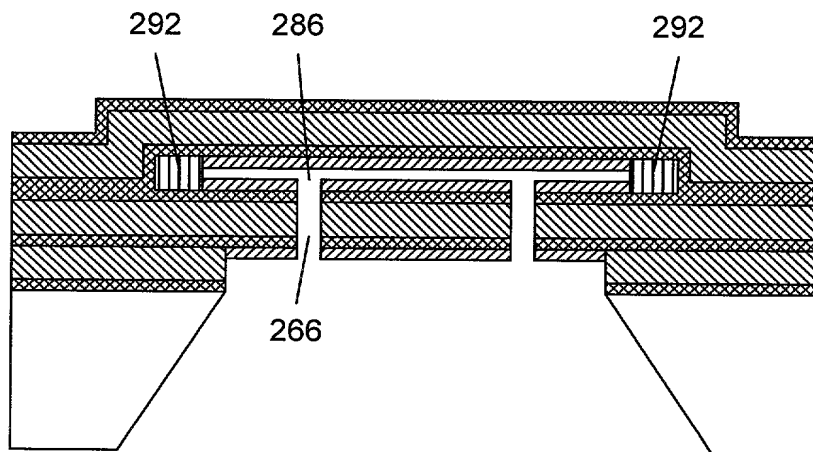


FIG. 4F

208720 0082200T

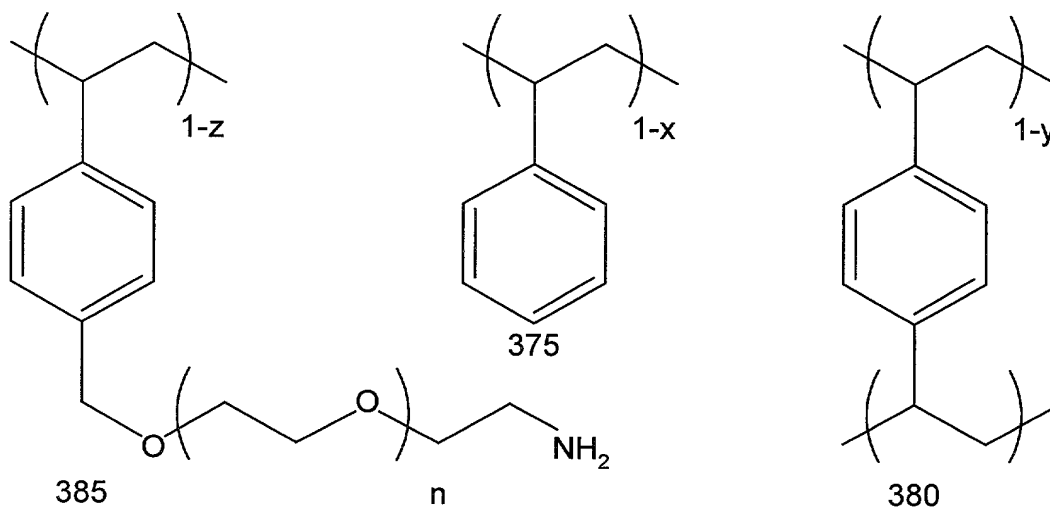
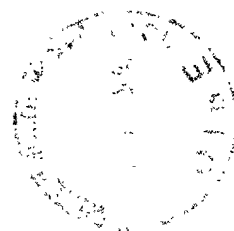
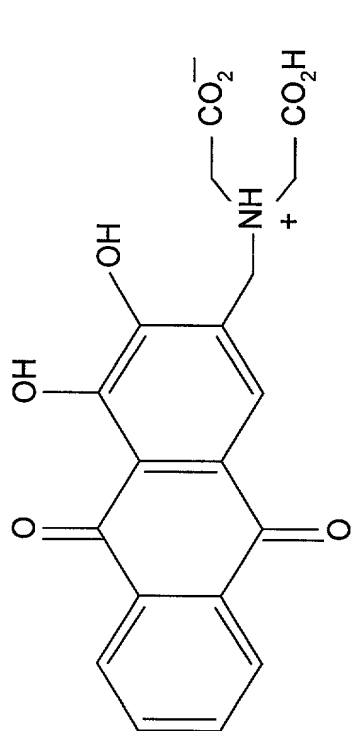
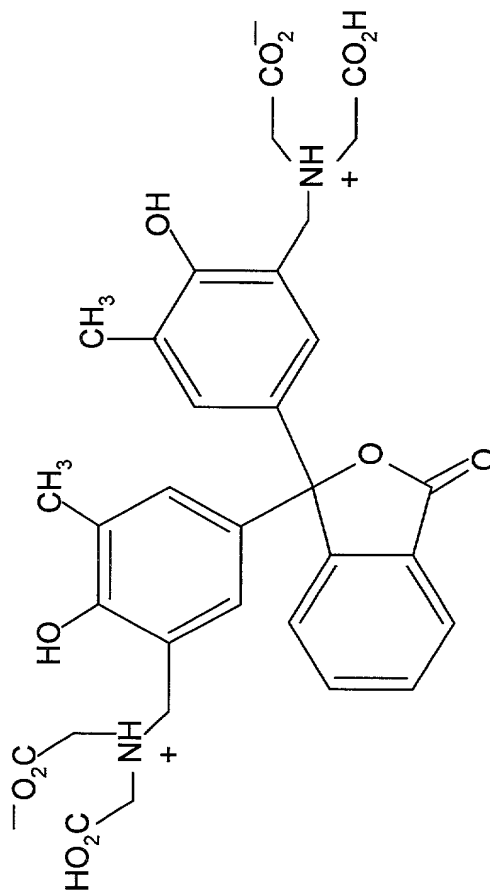


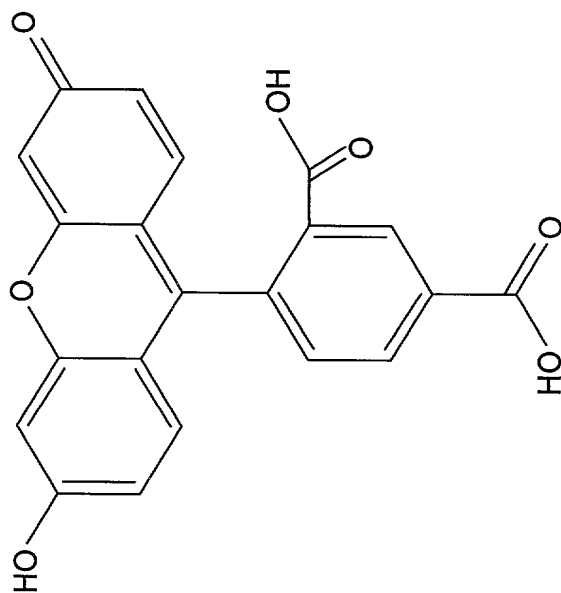
FIG. 5



alizarin complexone



o-cresolphthalein complexone



5-carboxy fluorescein

FIG. 6



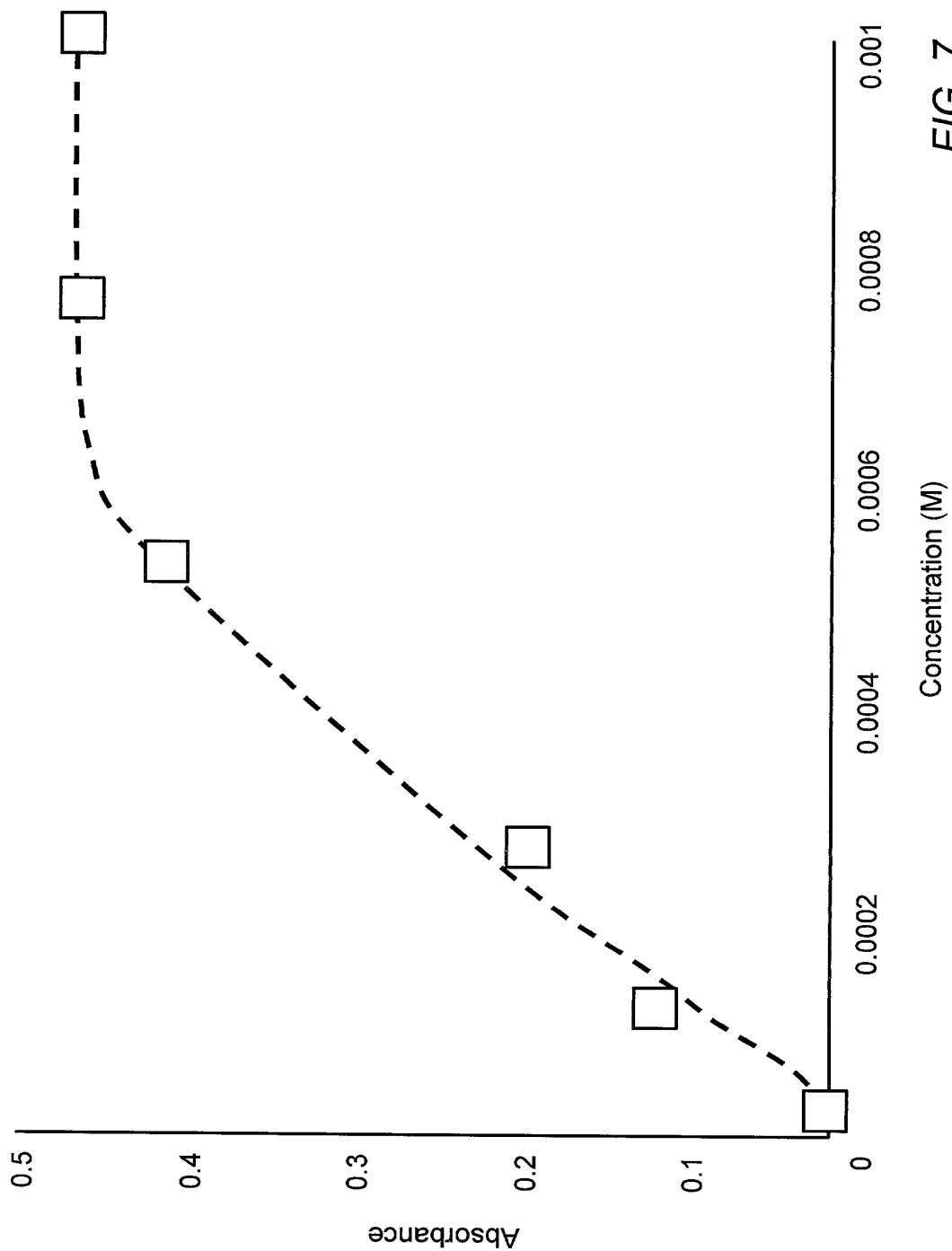


FIG. 7

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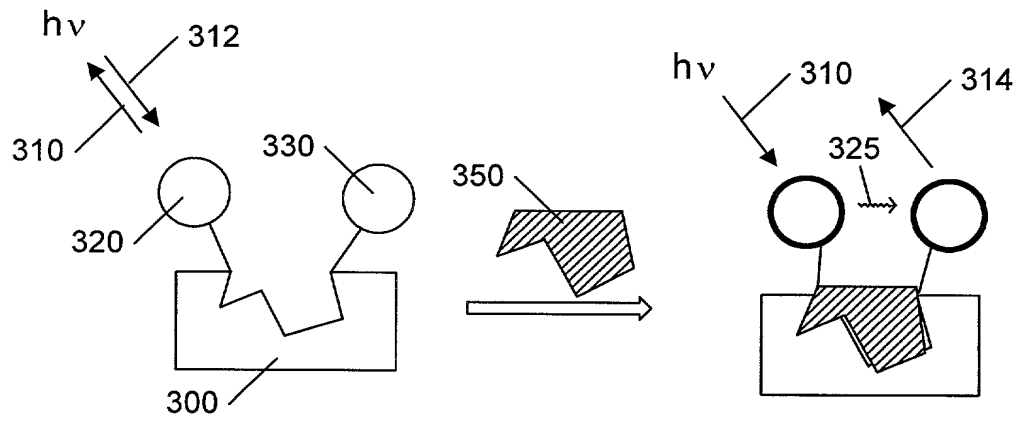


FIG. 8

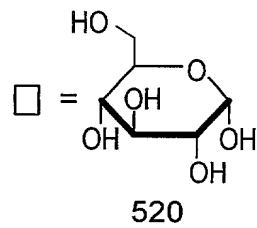
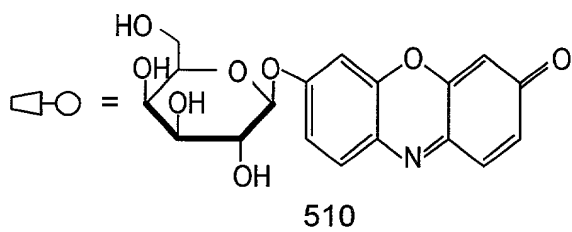
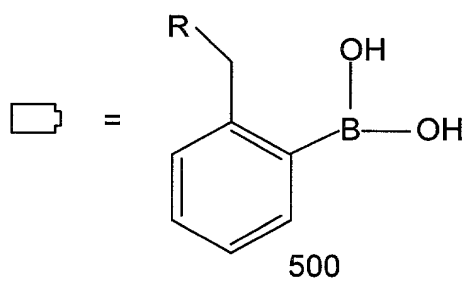
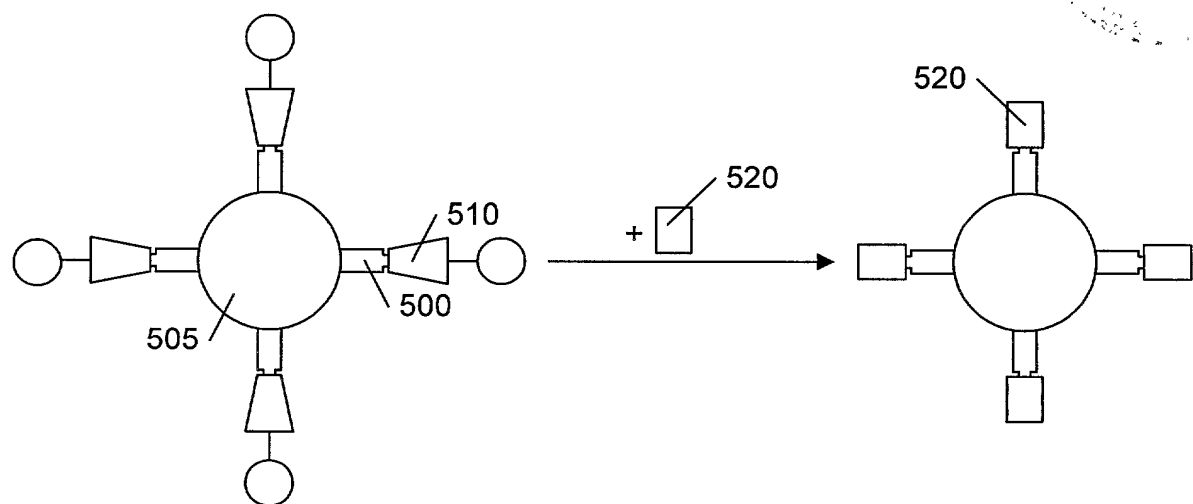
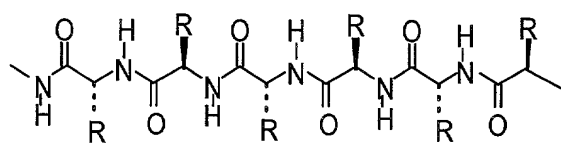
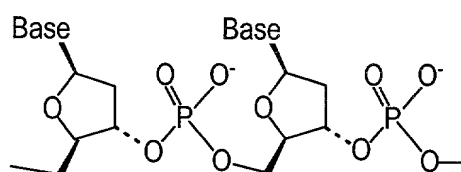


FIG. 9

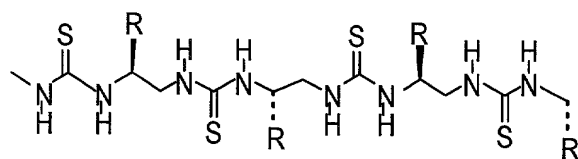
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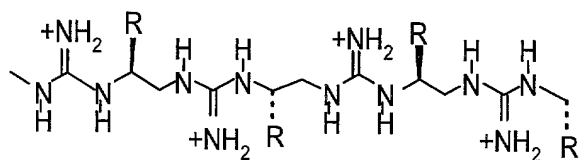
Peptides



Nucleotides



Polythioureas



Polyguanidiniums

FIG. 10

10072800.071800

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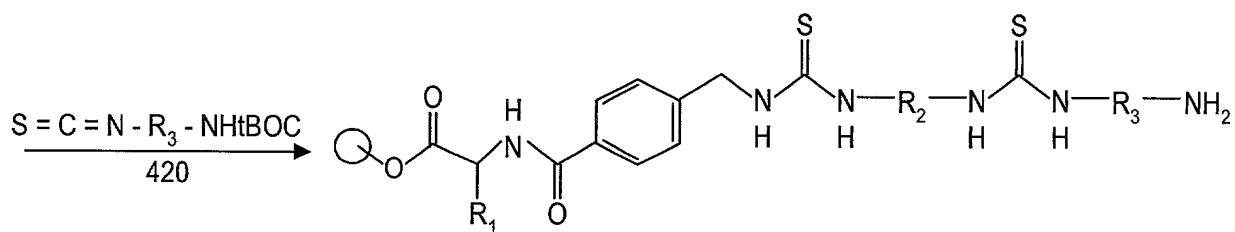
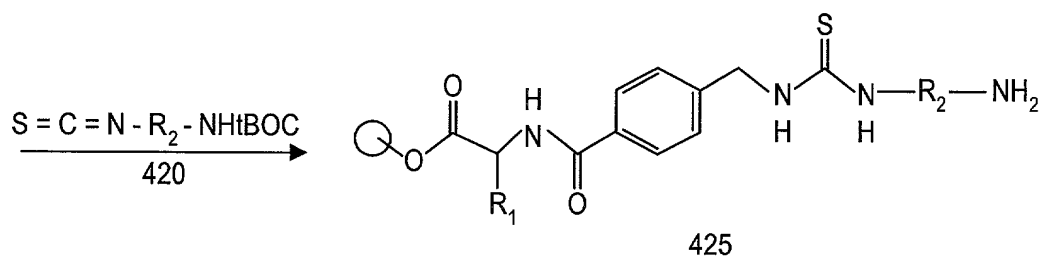
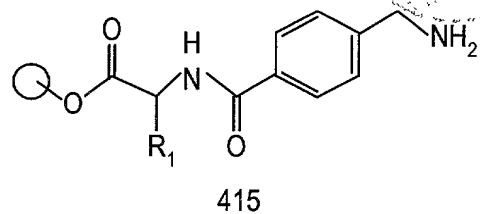
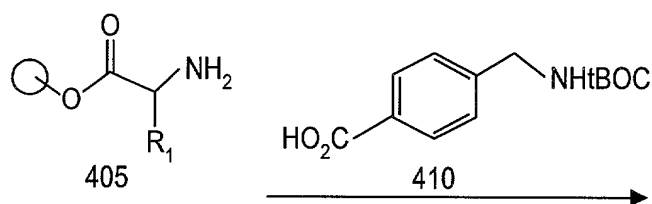


FIG. 11

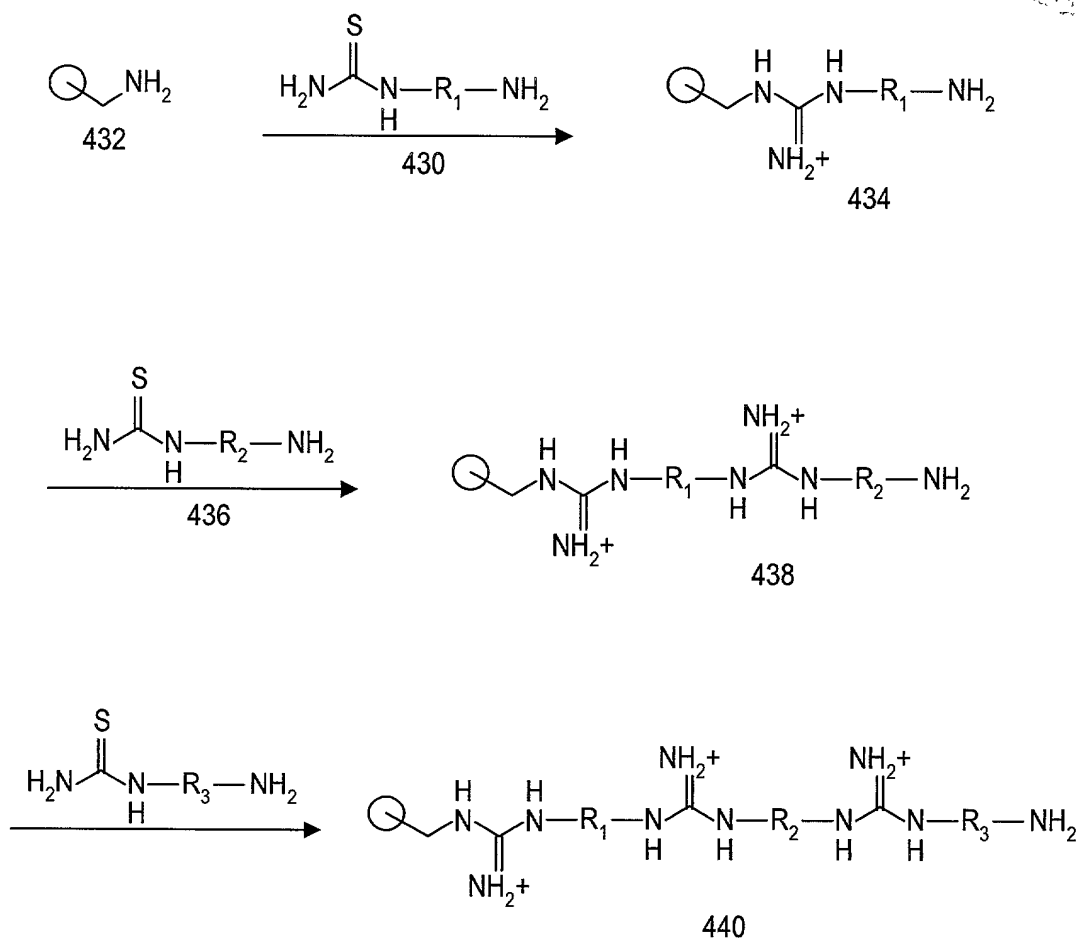
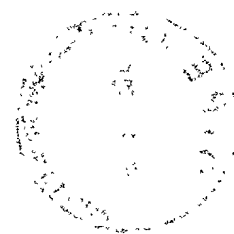


FIG. 12

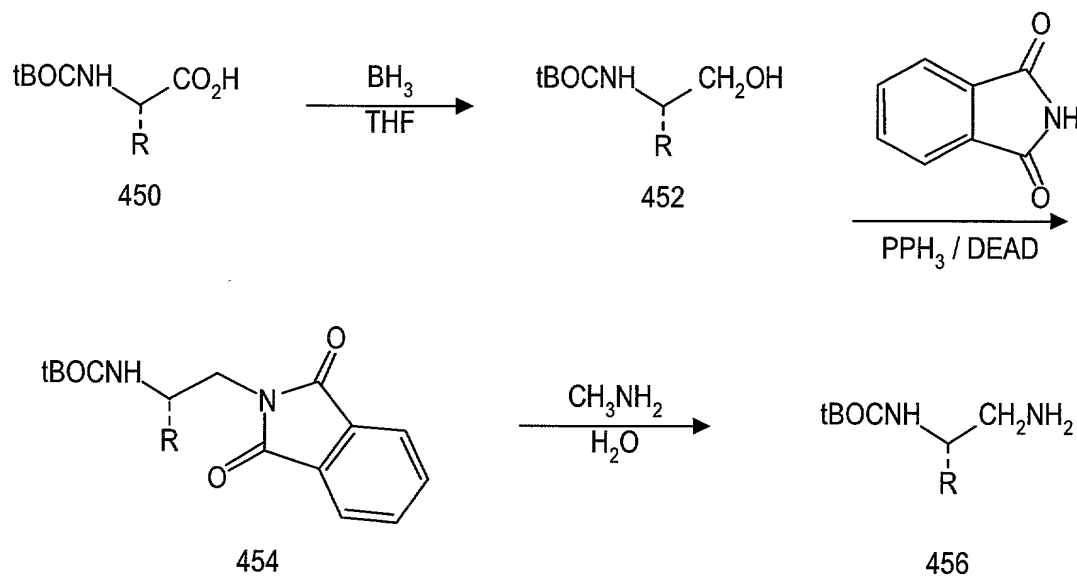
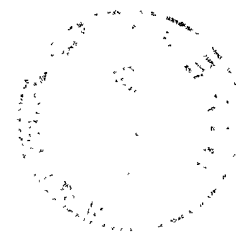


FIG. 13

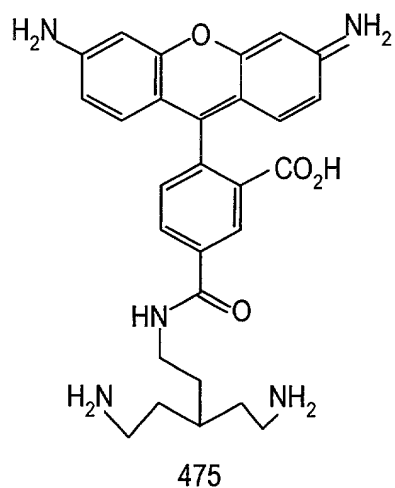
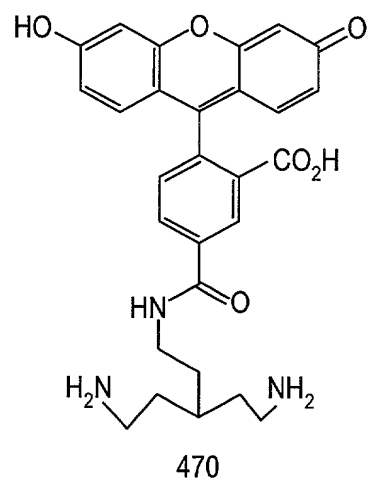


FIG. 14

2025-02-19 08:24:00

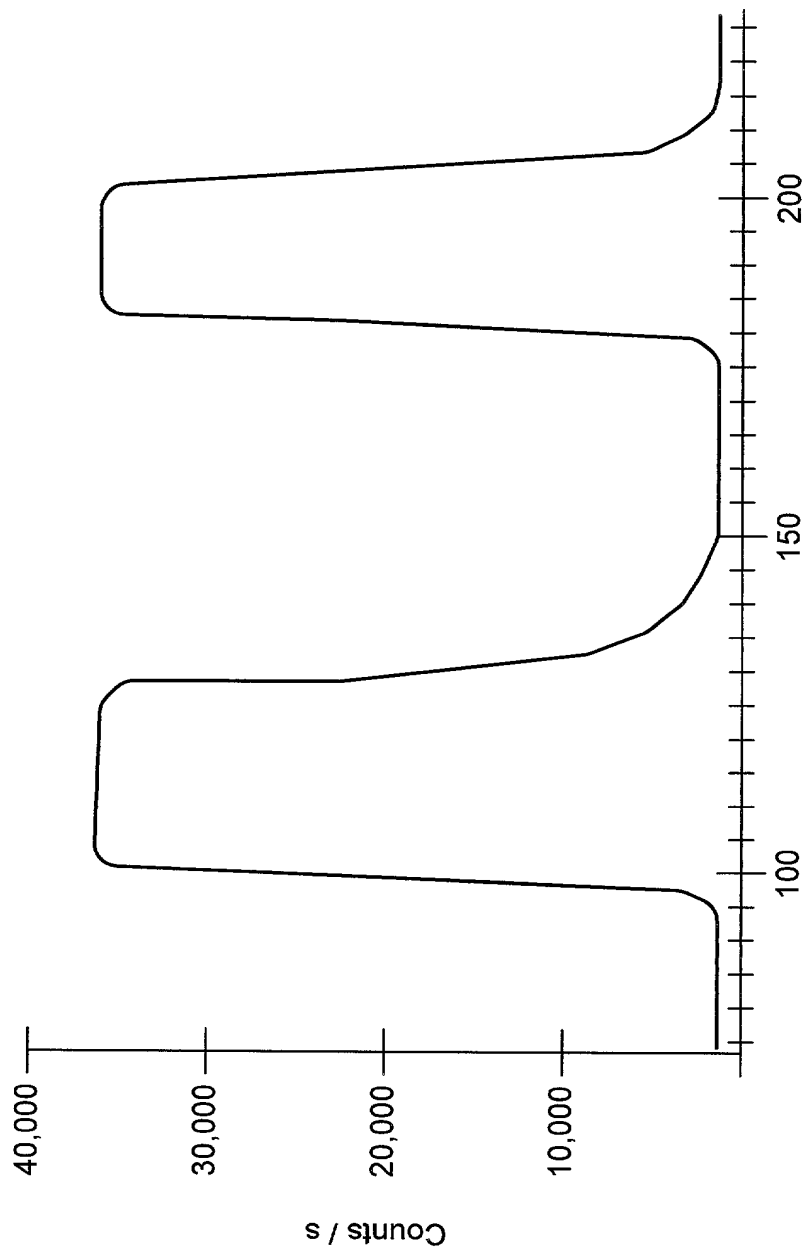
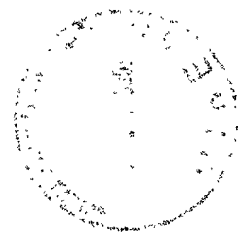


FIG. 15



RESIN:		Blank	Alizarin	o-Cresol-phthalein	Fluorescein	Alizarin-Ce ³⁺ complex
pH	Ion					
2	none					
2	Ca ²⁺					
7	none					
7	Ca ²⁺					
7	F ⁻					
12	none					
12	Ca ²⁺					
12	F ⁻					

FIG. 16

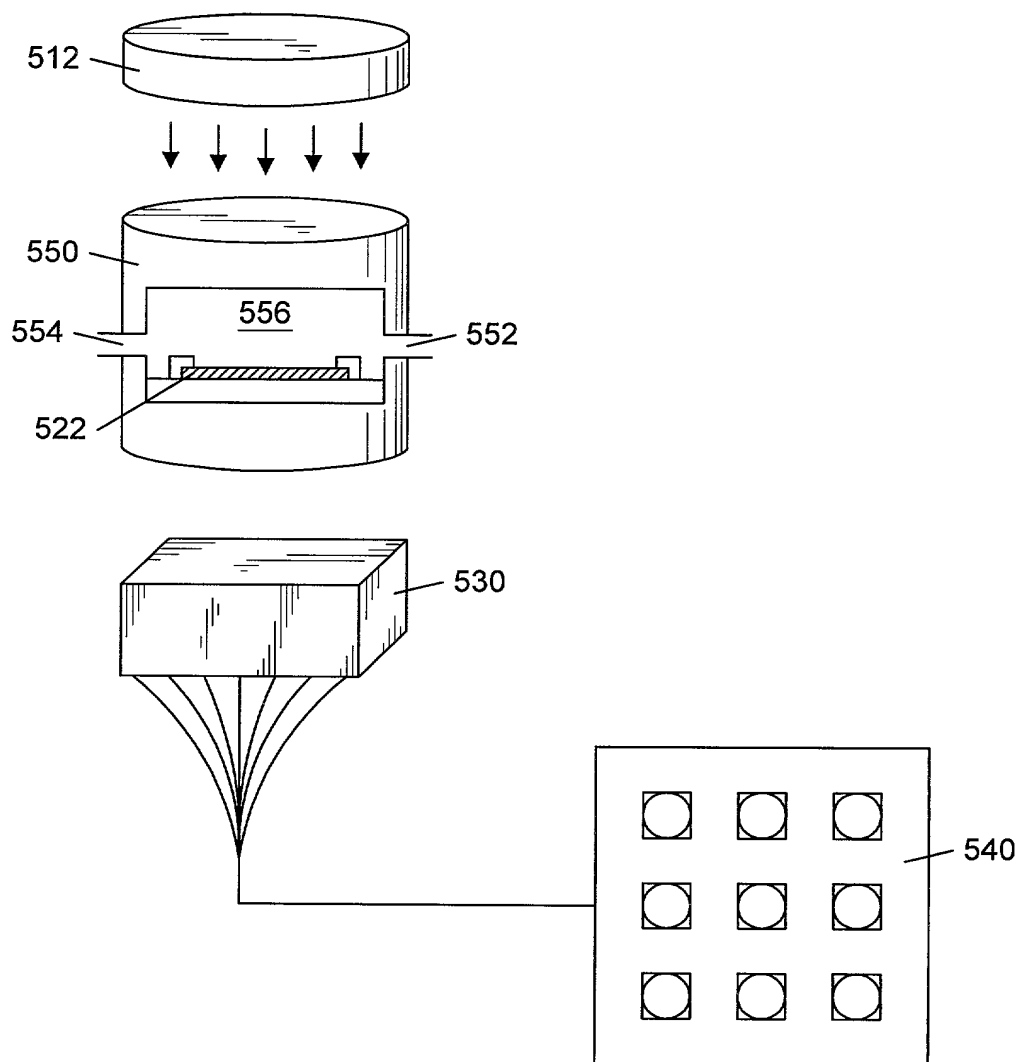
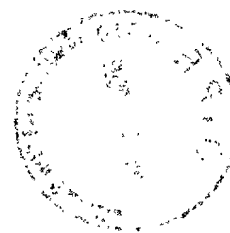


FIG. 17

2024-08-20 08:20:00

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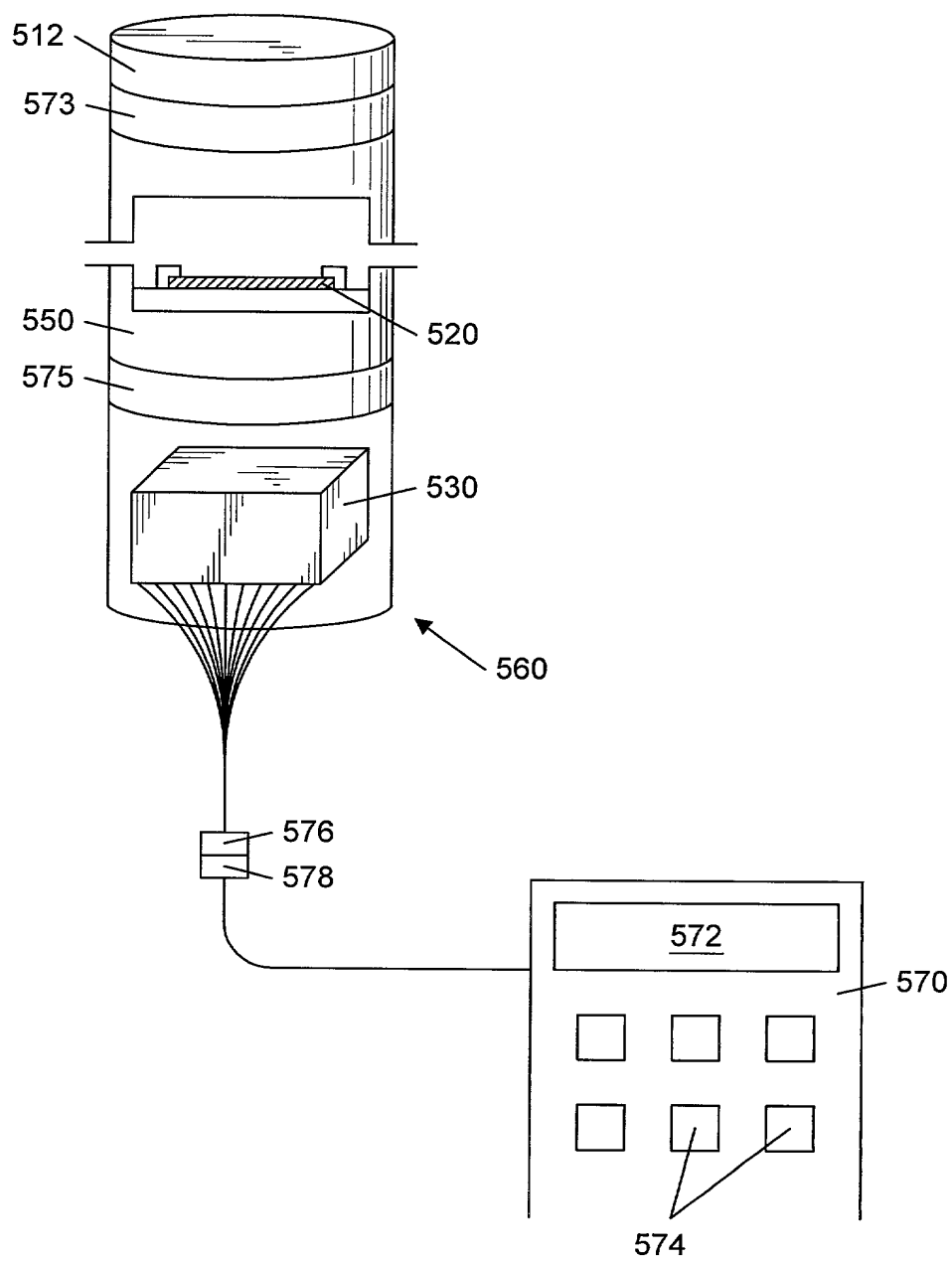


FIG. 18

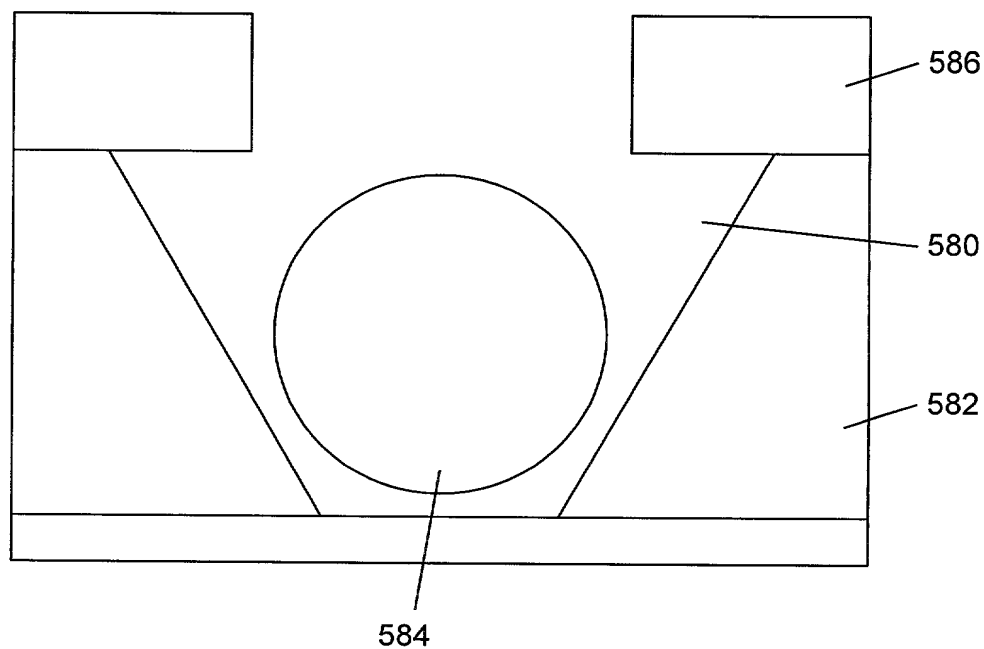


FIG. 19

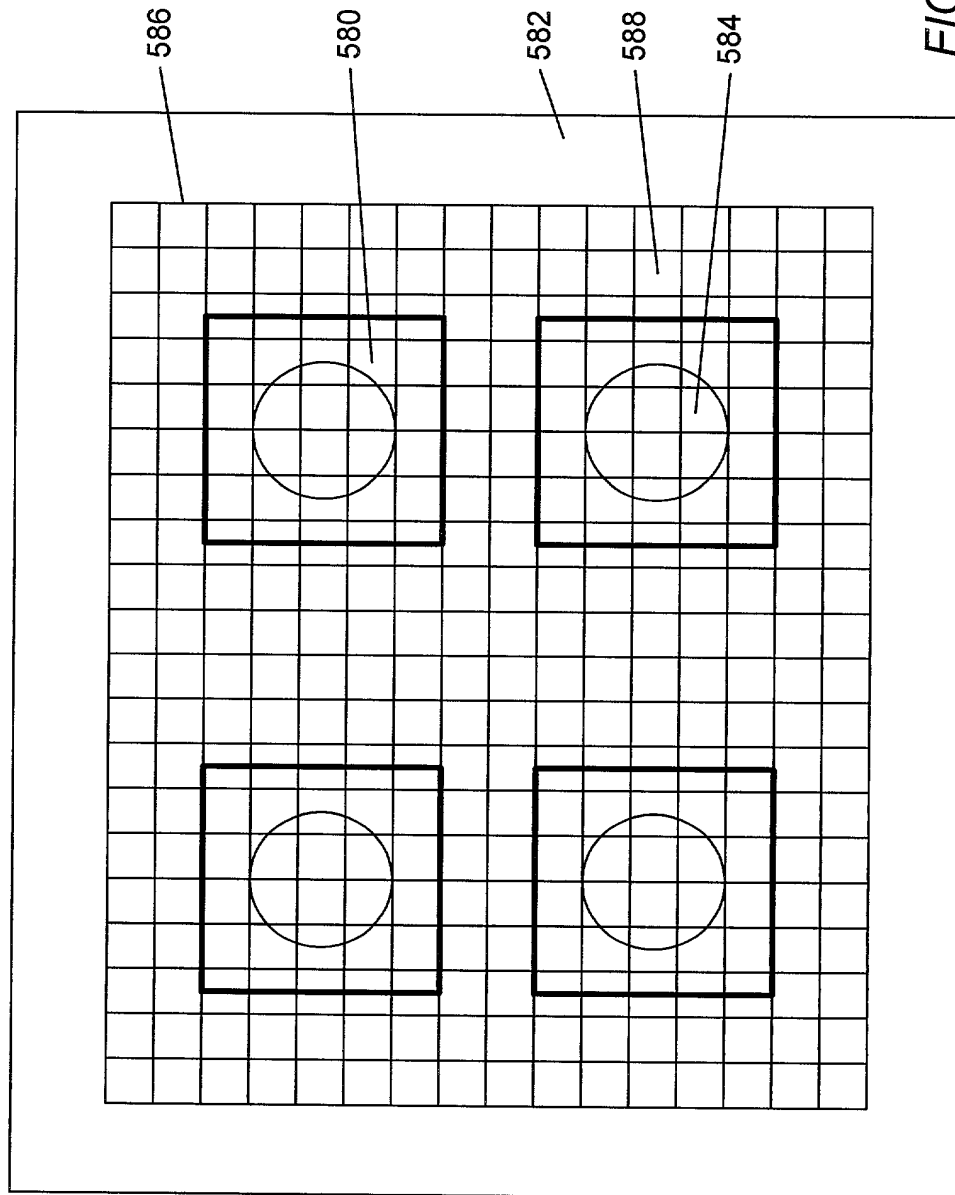


FIG. 20

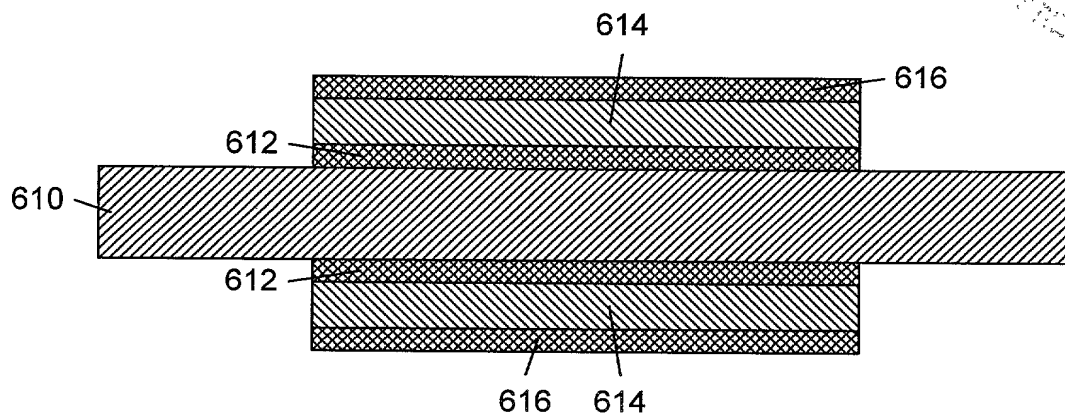
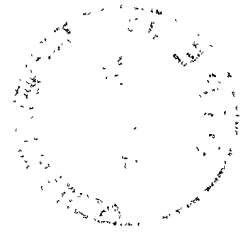


FIG. 21A

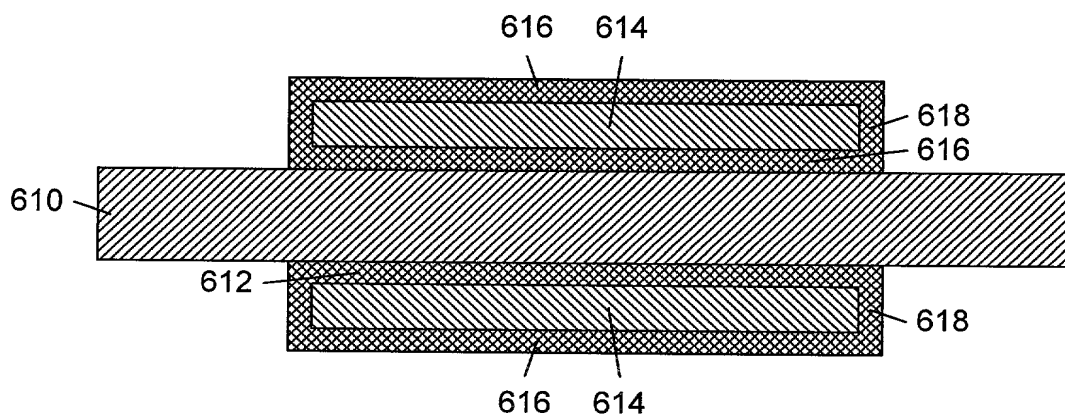


FIG. 21B

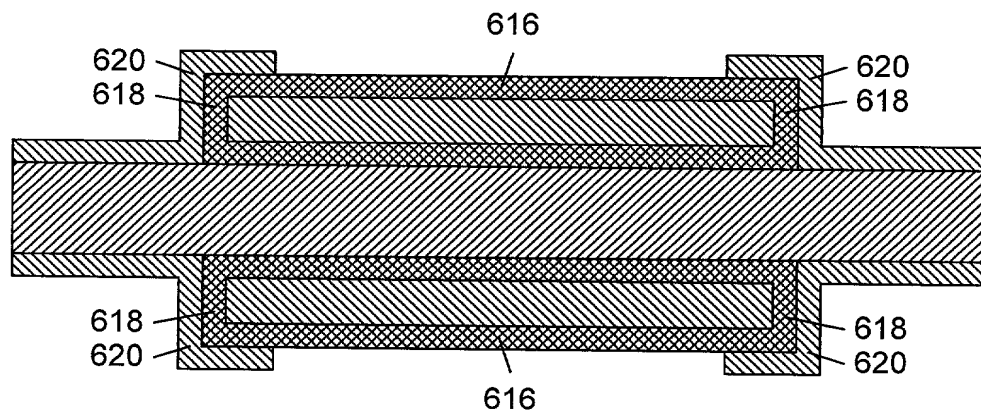


FIG. 21C

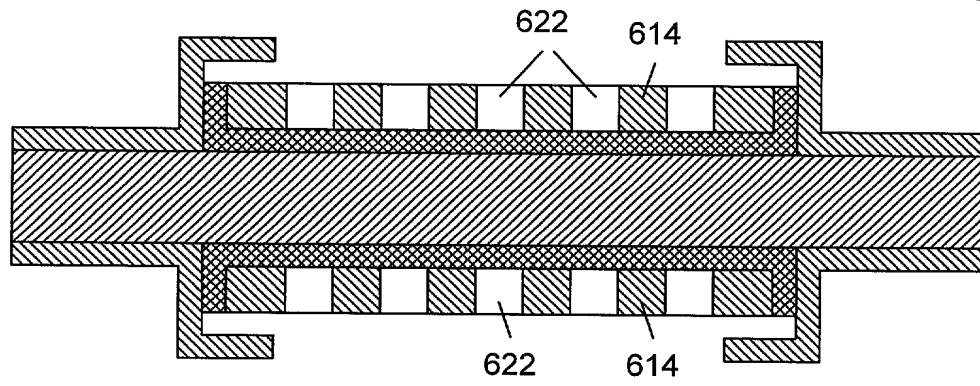
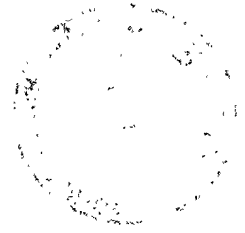


FIG. 21D

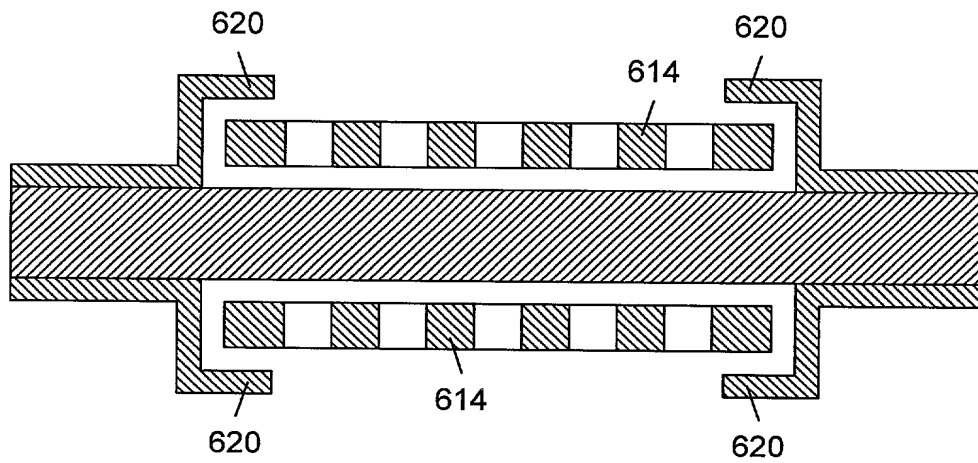


FIG. 21E

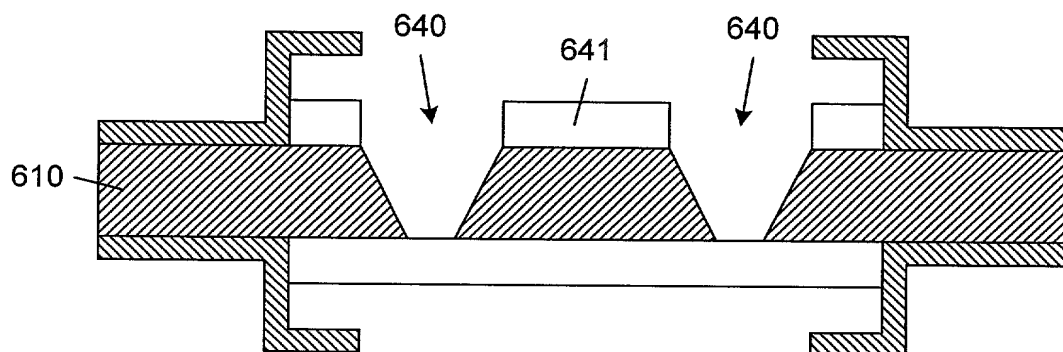
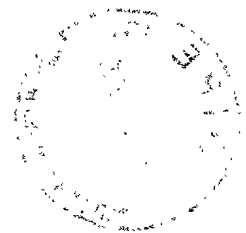


FIG. 21F

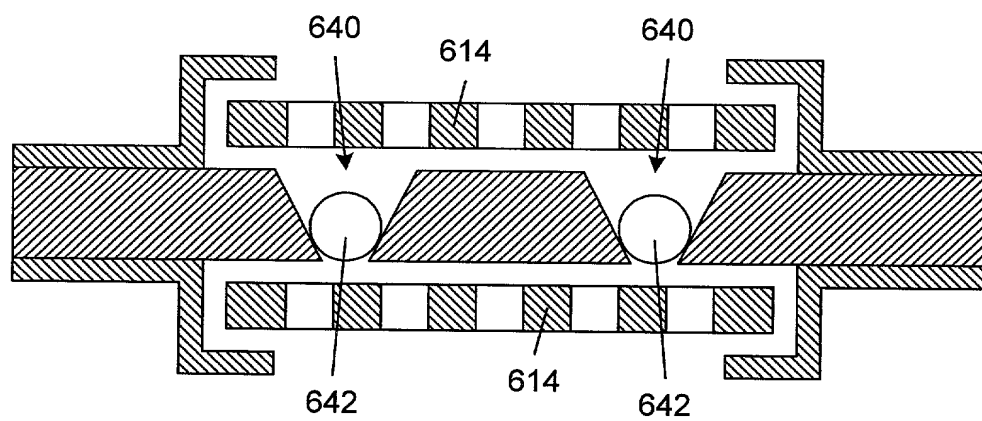


FIG. 21G

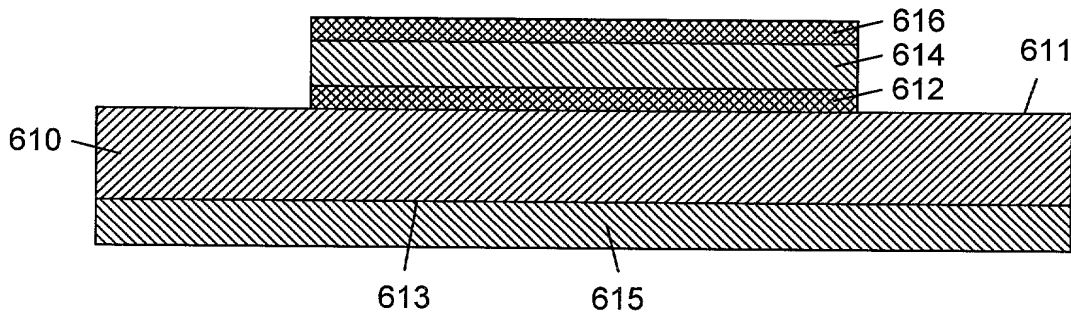
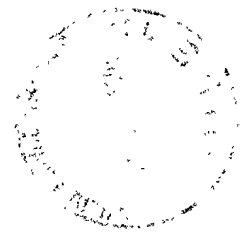


FIG. 22A

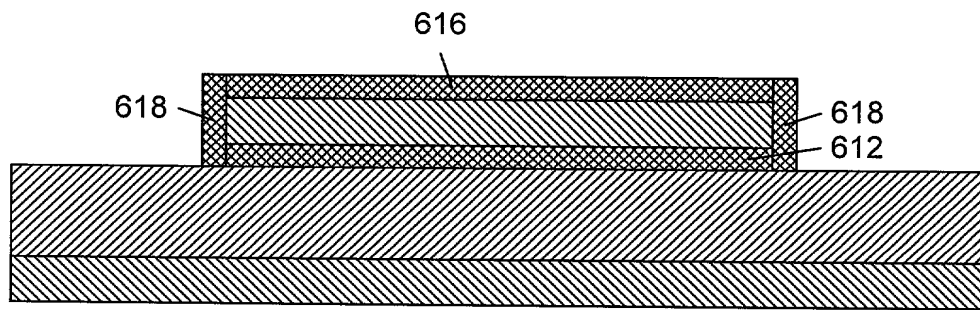


FIG. 22B

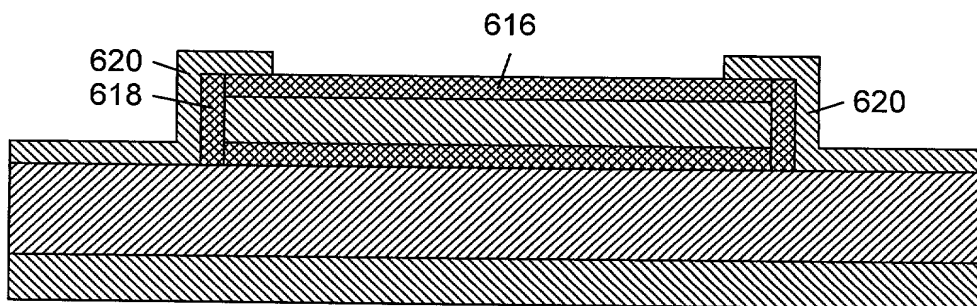


FIG. 22C

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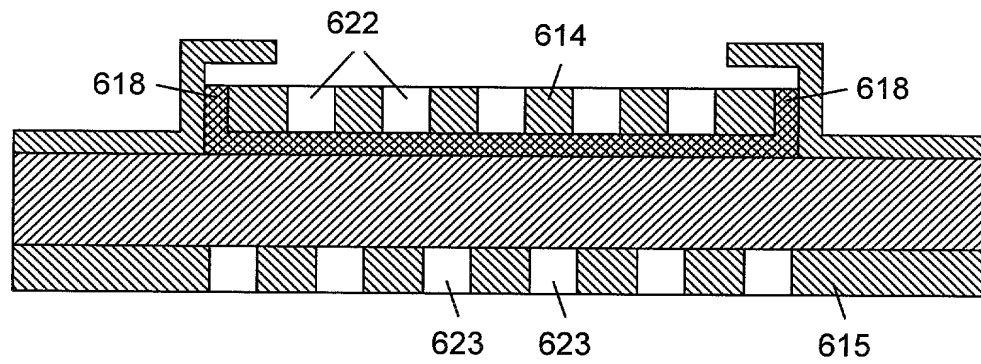


FIG. 22D

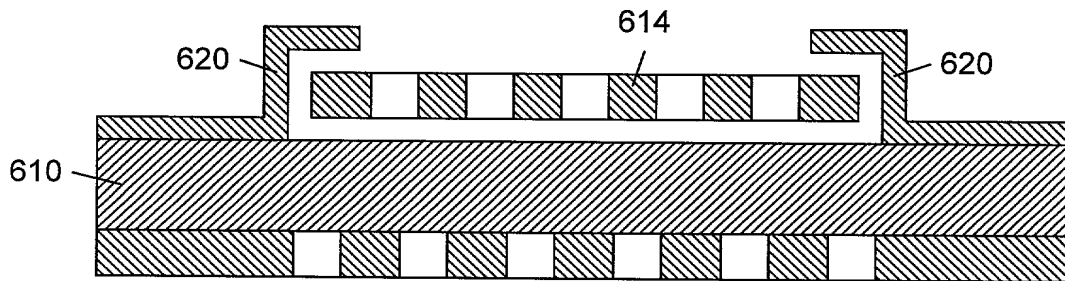


FIG. 22E

2007-07-08 00:00:00

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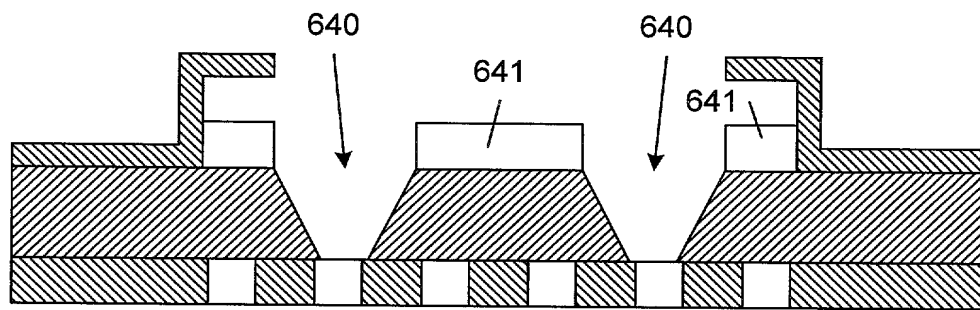


FIG. 22F

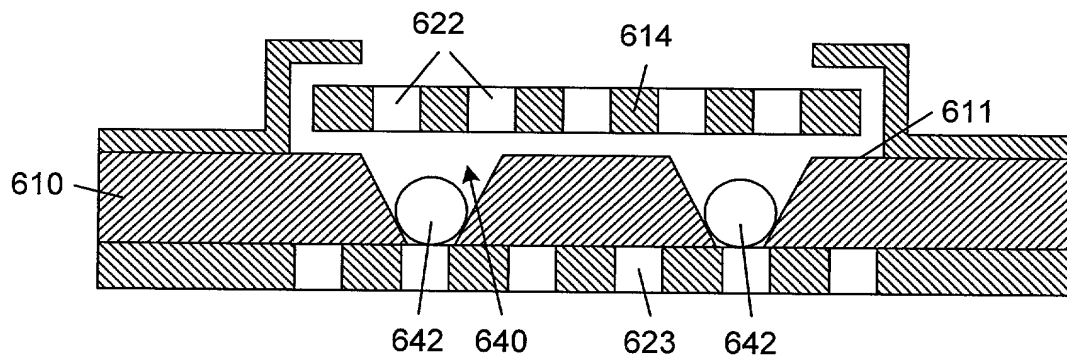


FIG. 22G

2007/07/08 09:00

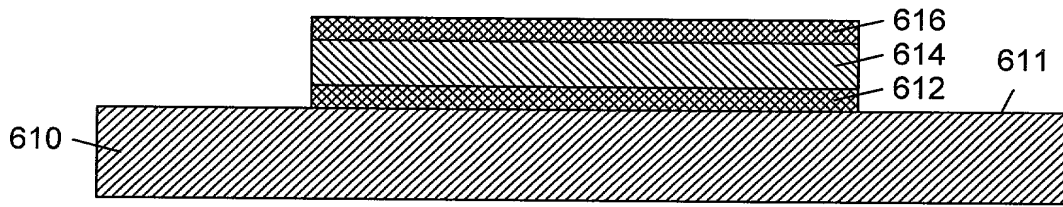
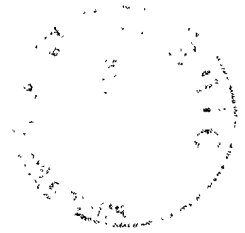


FIG. 23A

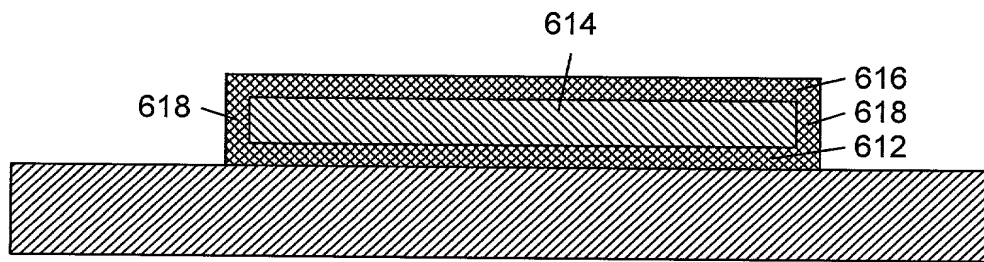


FIG. 23B

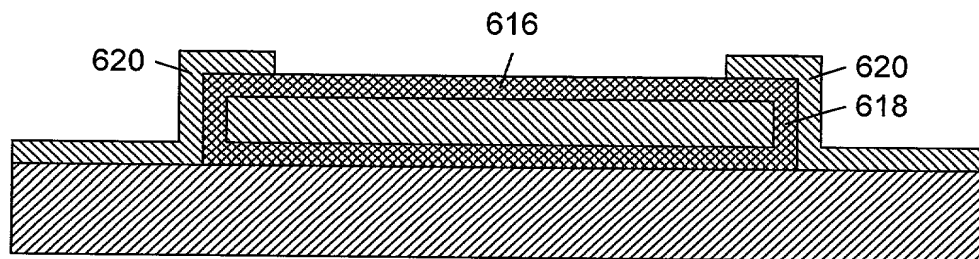


FIG. 23C

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10078800.071807

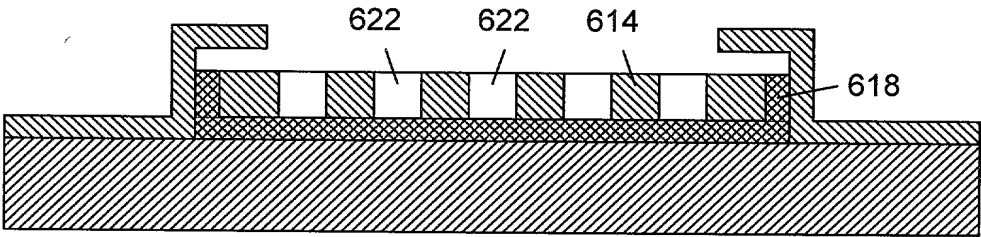
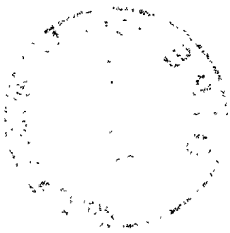


FIG. 23D

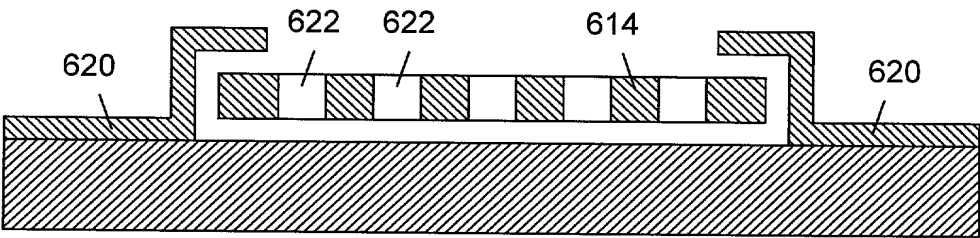


FIG. 23E

2025-08-08 10:00:00

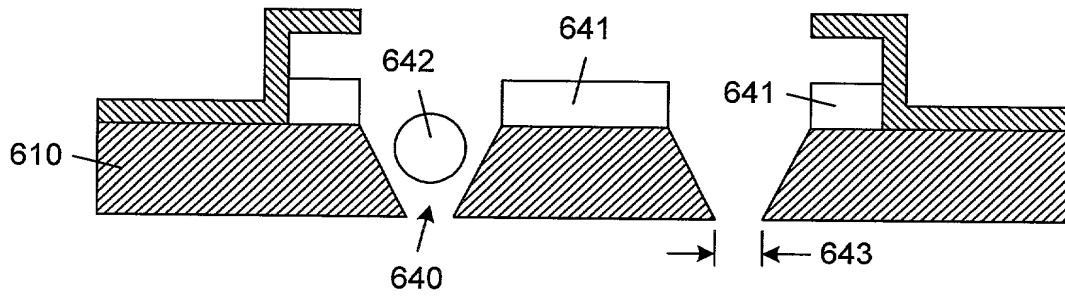
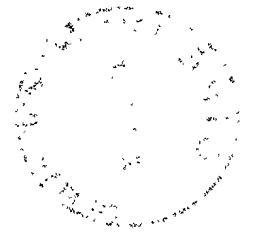


FIG. 23F

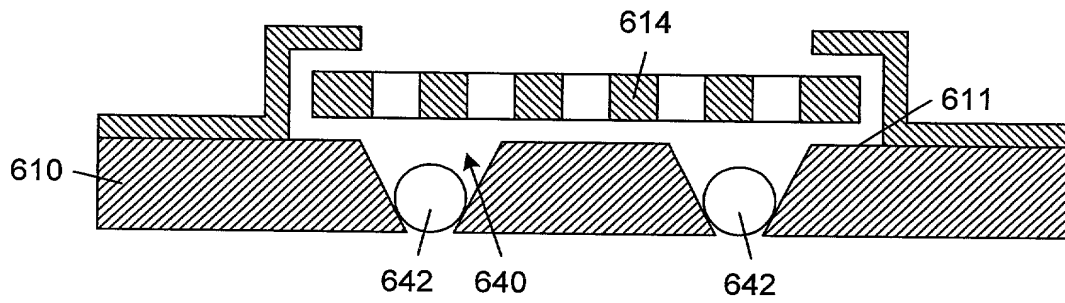


FIG. 23G

208720-00822001

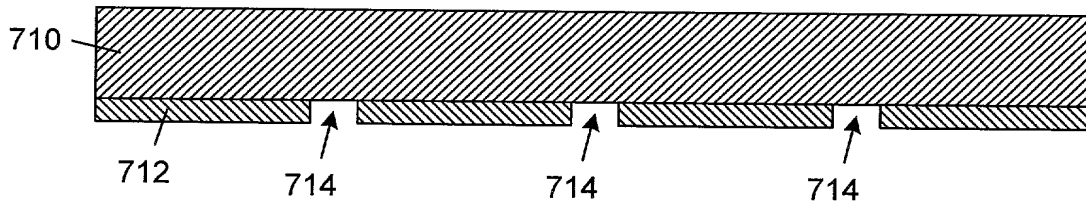


FIG. 24A

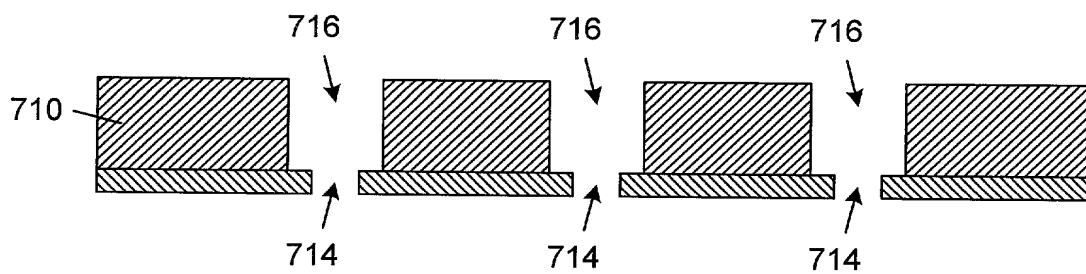


FIG. 24B

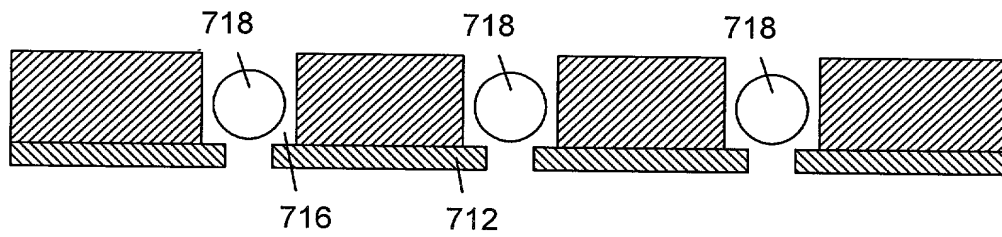


FIG. 24C

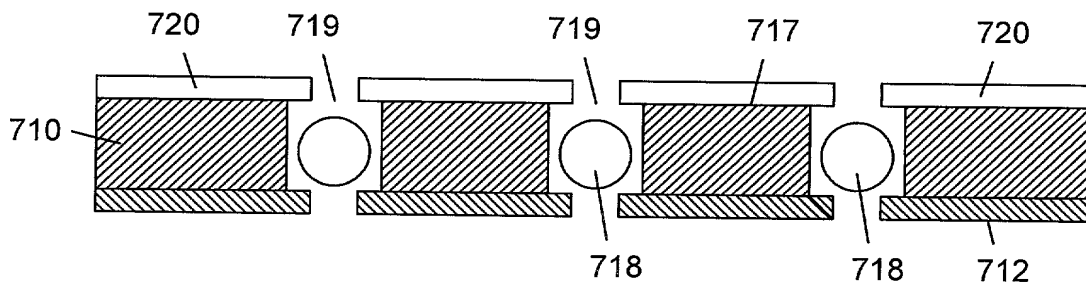


FIG. 24D

208T20" 0082200T

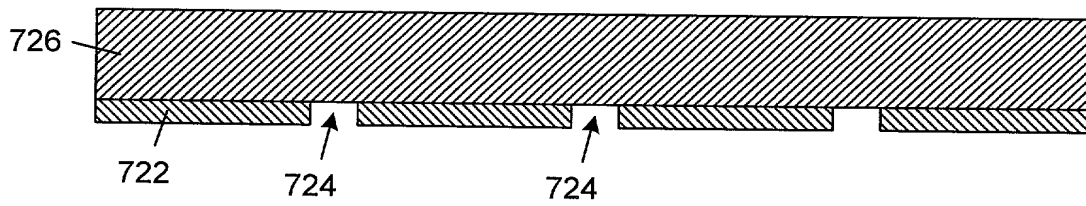
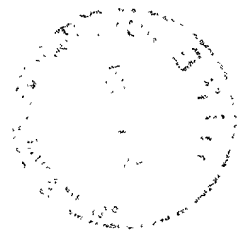


FIG. 25A

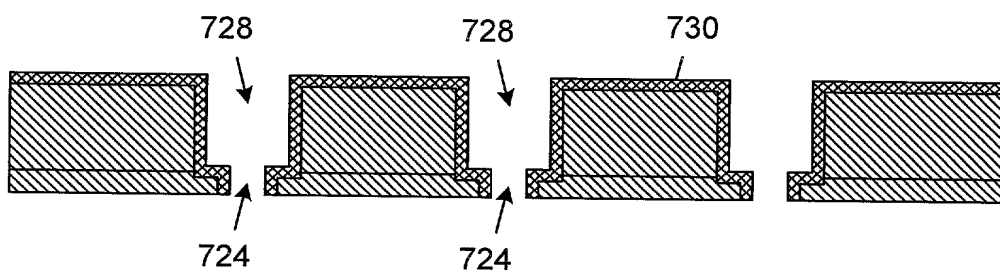


FIG. 25B

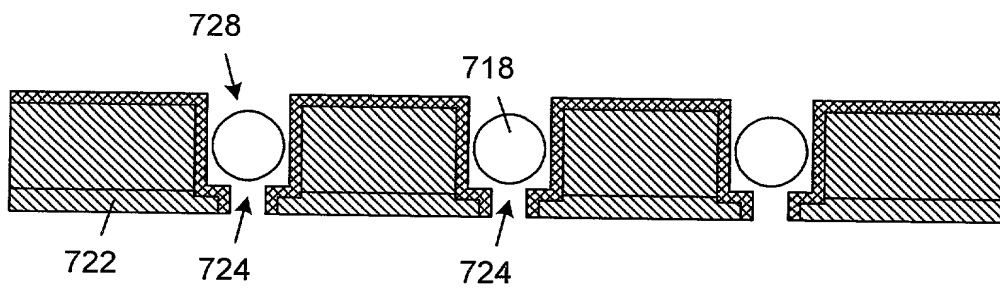


FIG. 25C

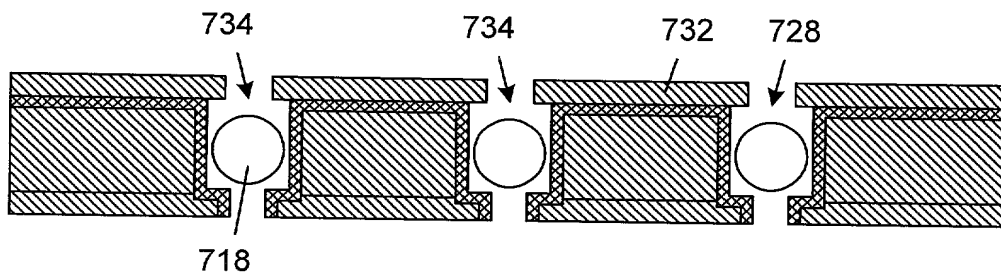


FIG. 25D

20250720 0002200T

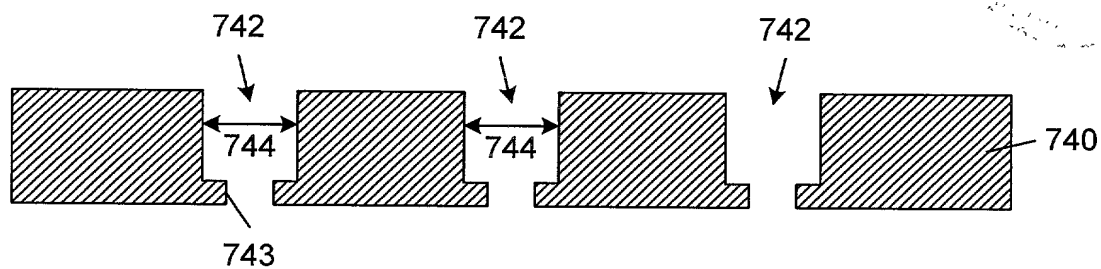


FIG. 26A

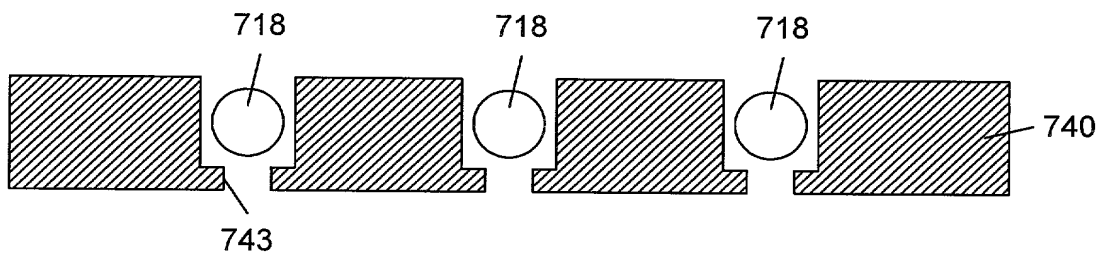


FIG. 26B

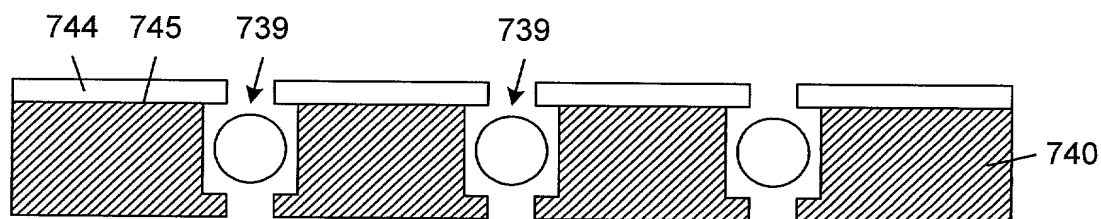


FIG. 26C

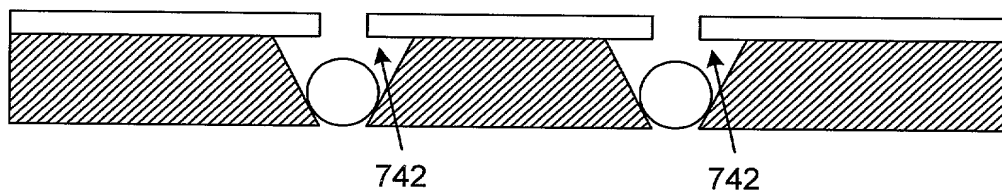


FIG. 26D

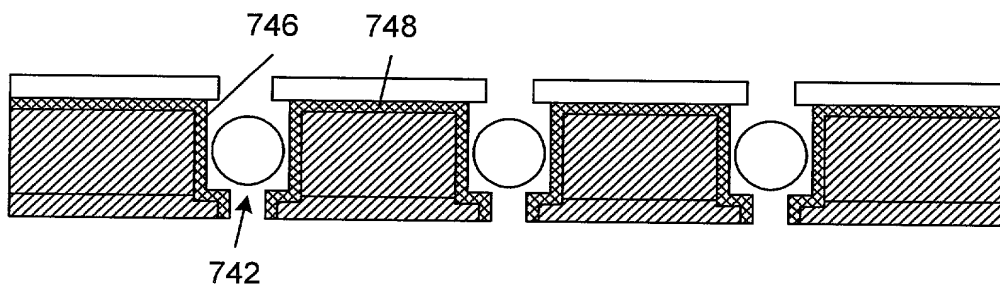


FIG. 26E

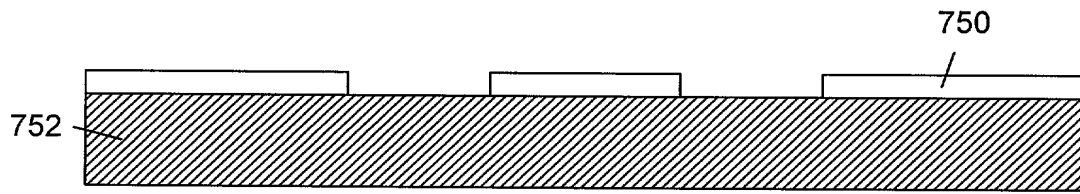


FIG. 27A

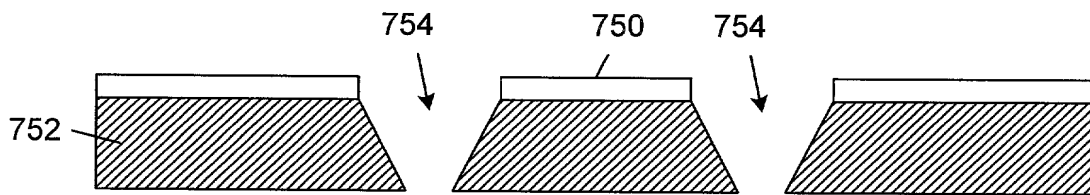


FIG. 27B

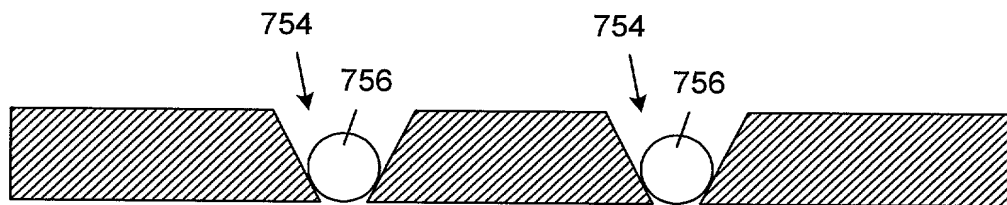


FIG. 27C

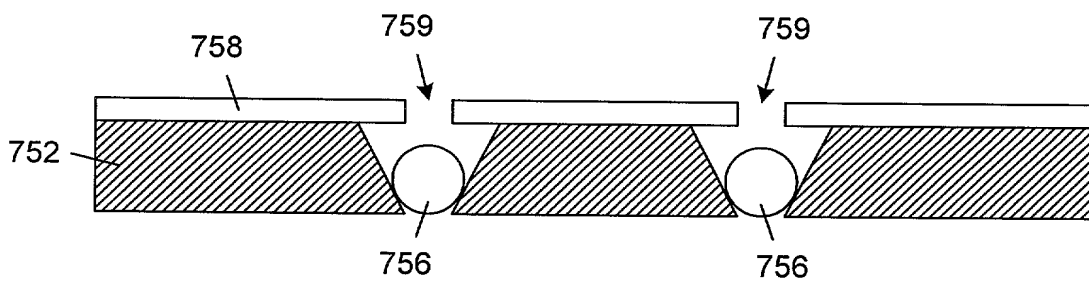


FIG. 27D

20240108 00000000



FIG. 28A

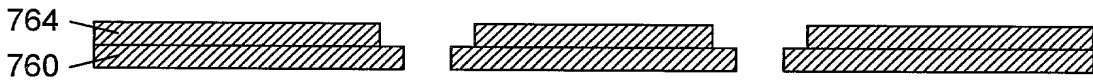


FIG. 28B

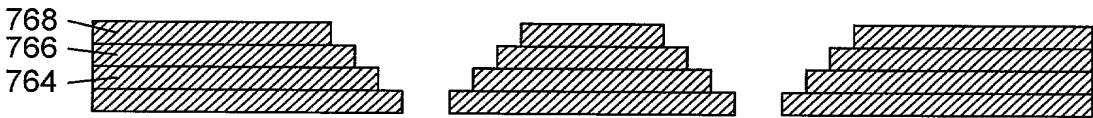


FIG. 28C

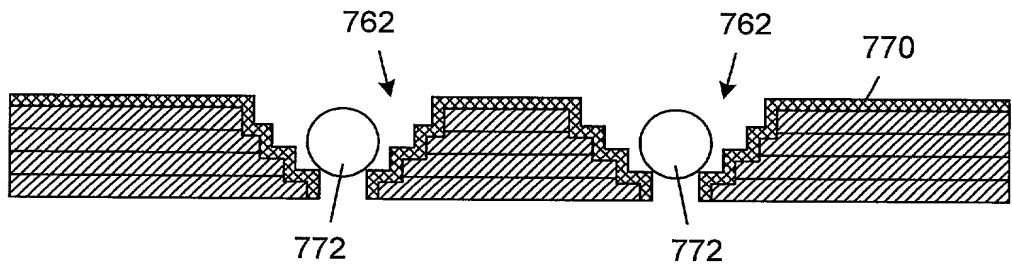


FIG. 28D

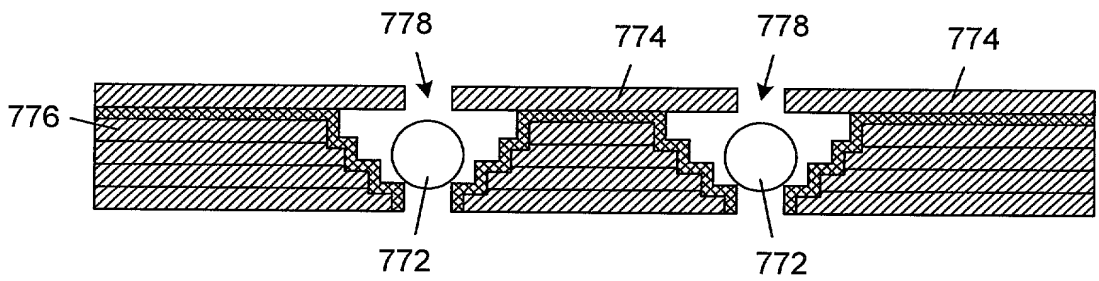


FIG. 28E

2024-01-08 00:00:00

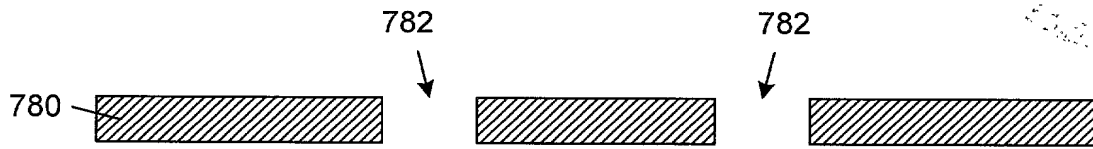


FIG. 29A

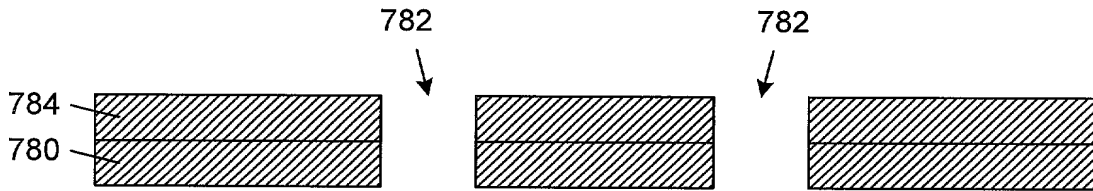


FIG. 29B

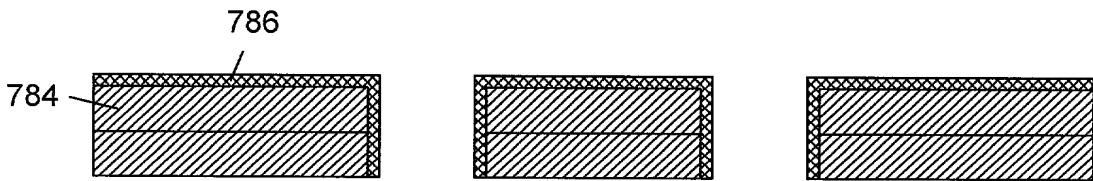


FIG. 29C

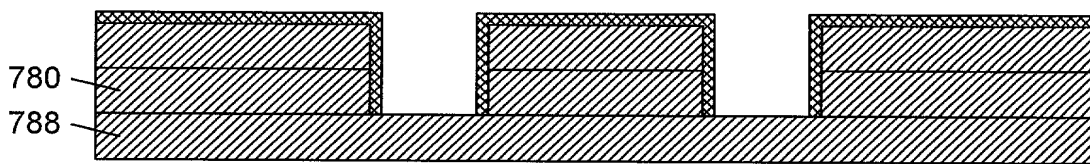


FIG. 29D

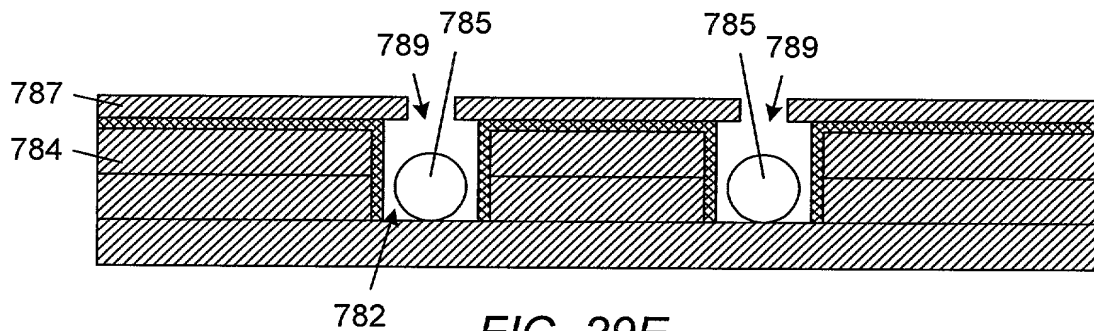


FIG. 29E

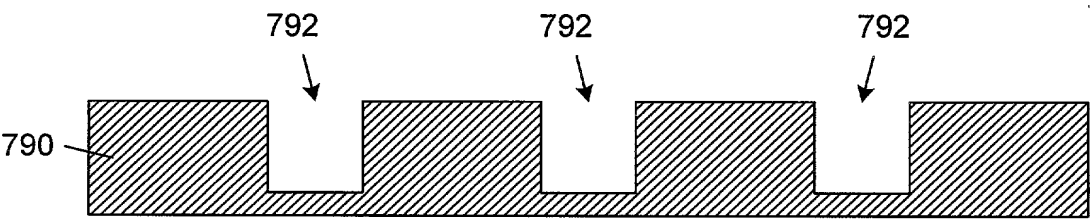
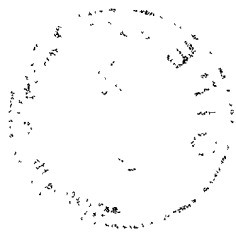


FIG. 30A

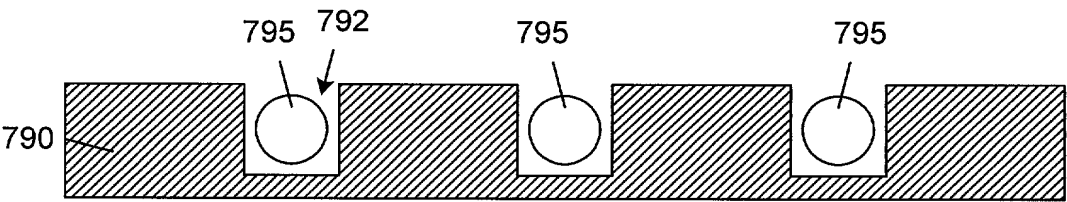


FIG. 30B

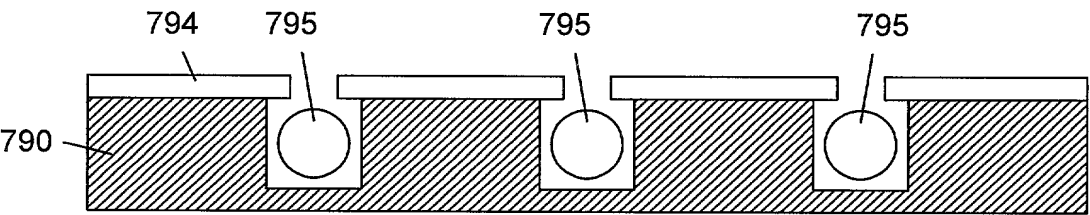


FIG. 30C

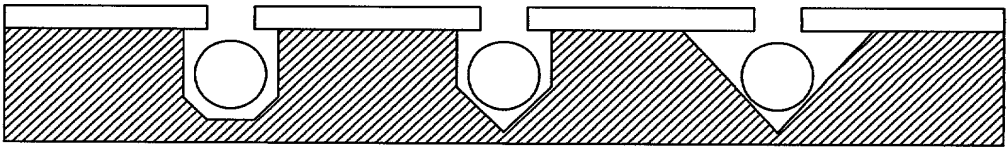


FIG. 30D

2024-07-08 08:22:00

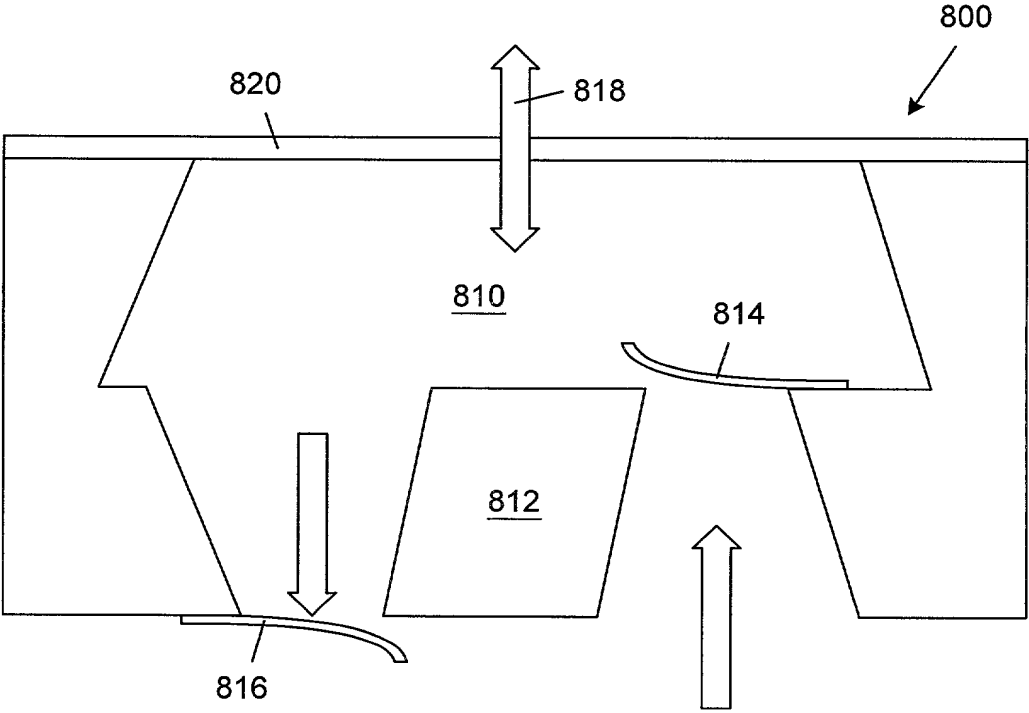
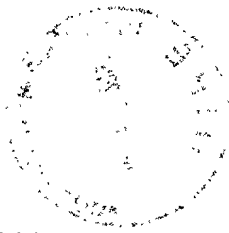


FIG. 31

2024.01.08 00:00:00

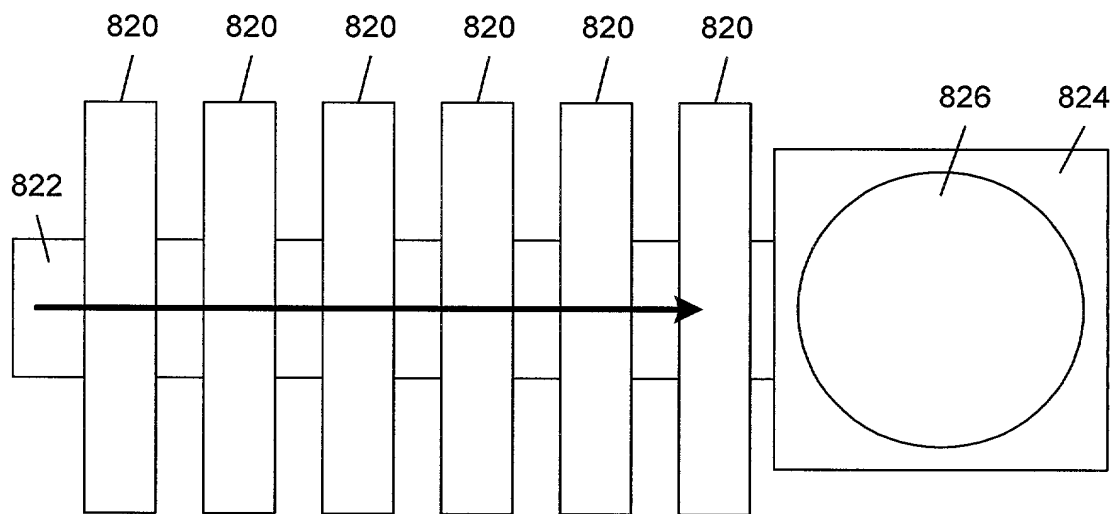
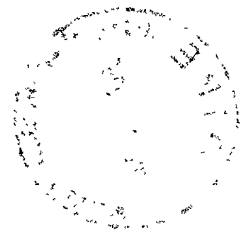


FIG. 32

2024-08-20 00:00:00

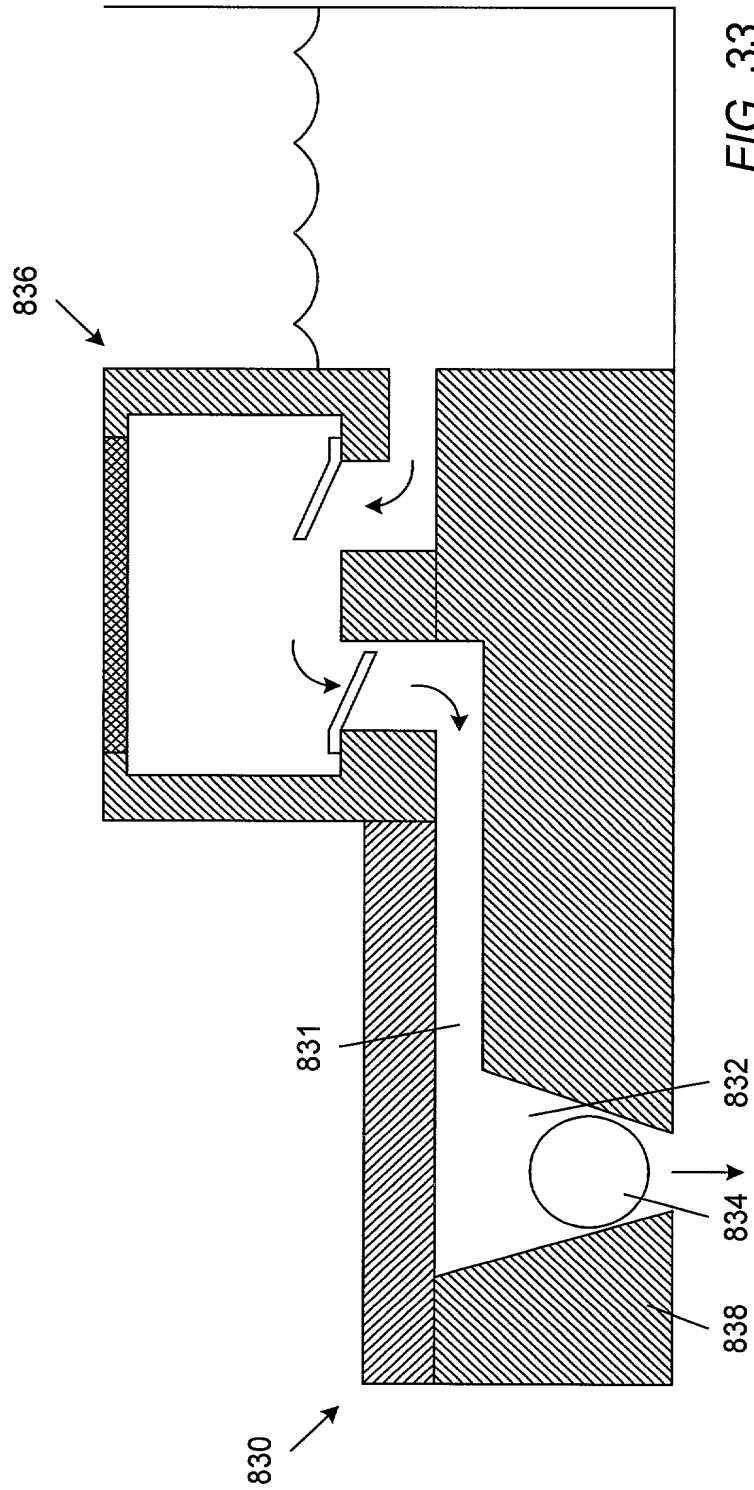


FIG. 33

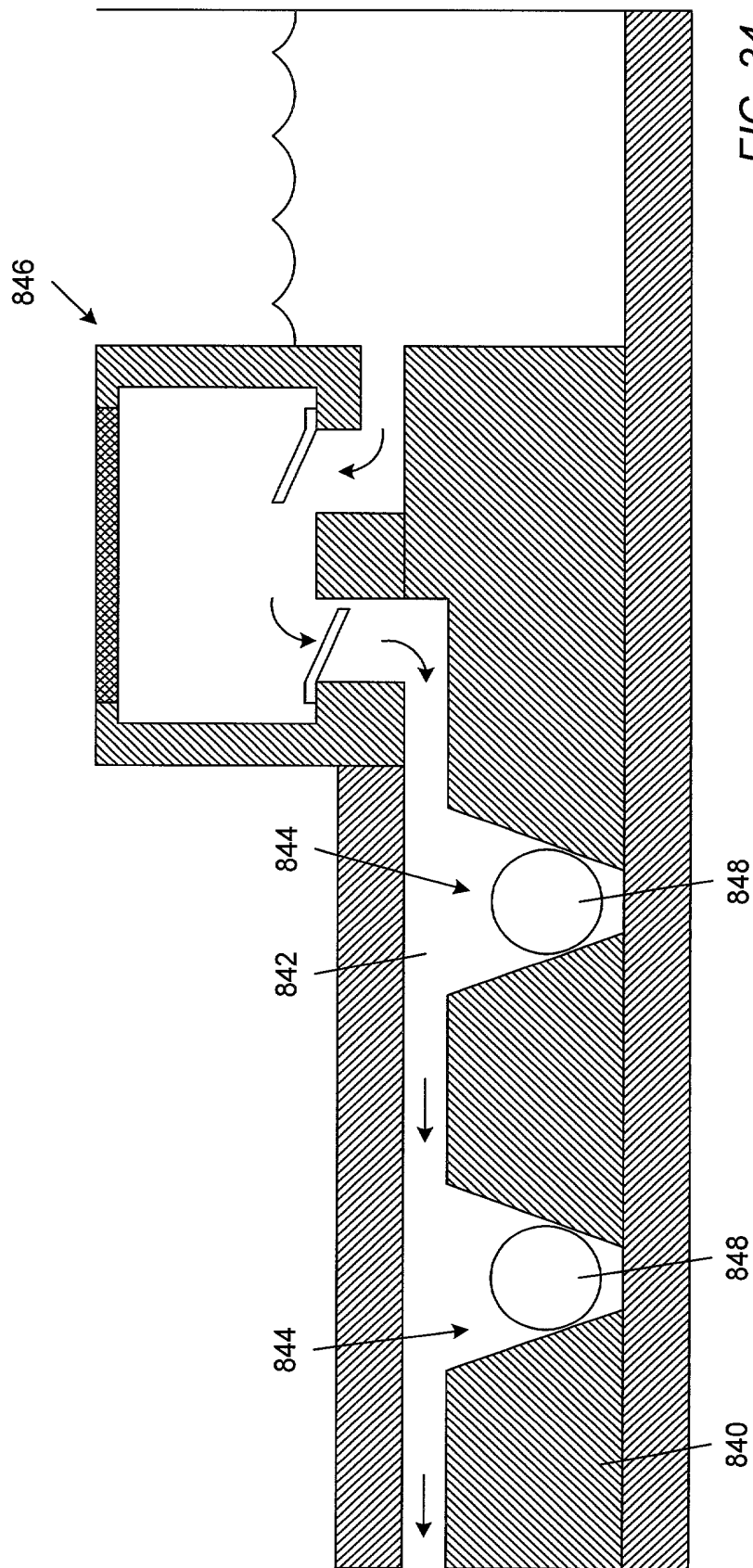


FIG. 34



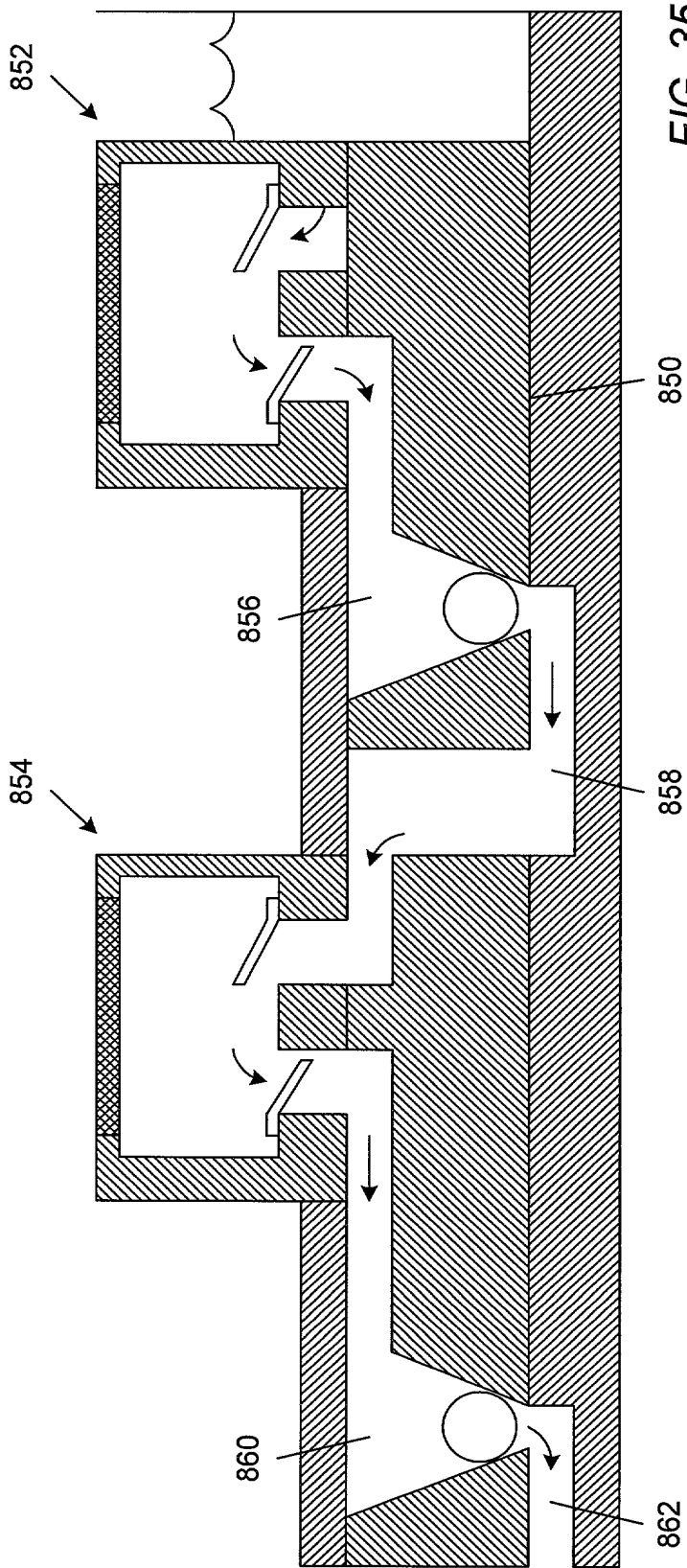


FIG. 35



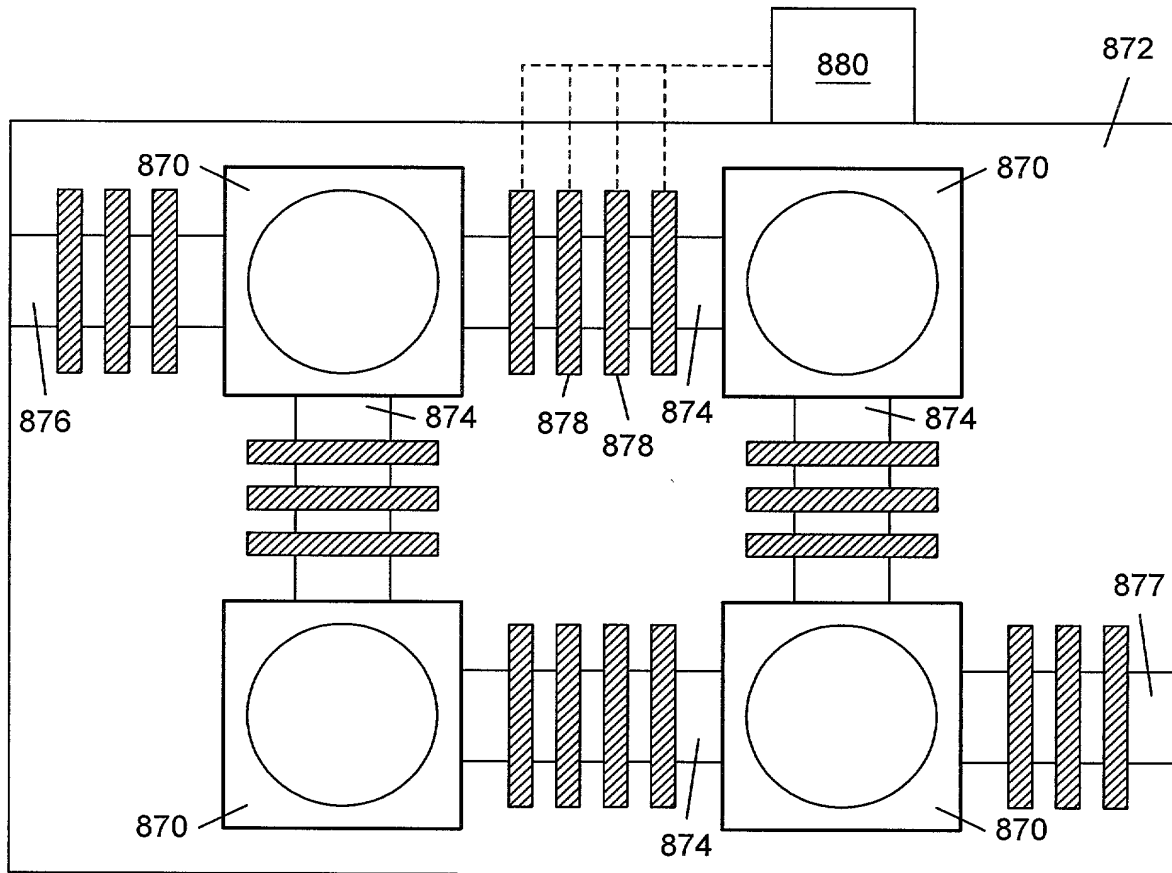


FIG. 36

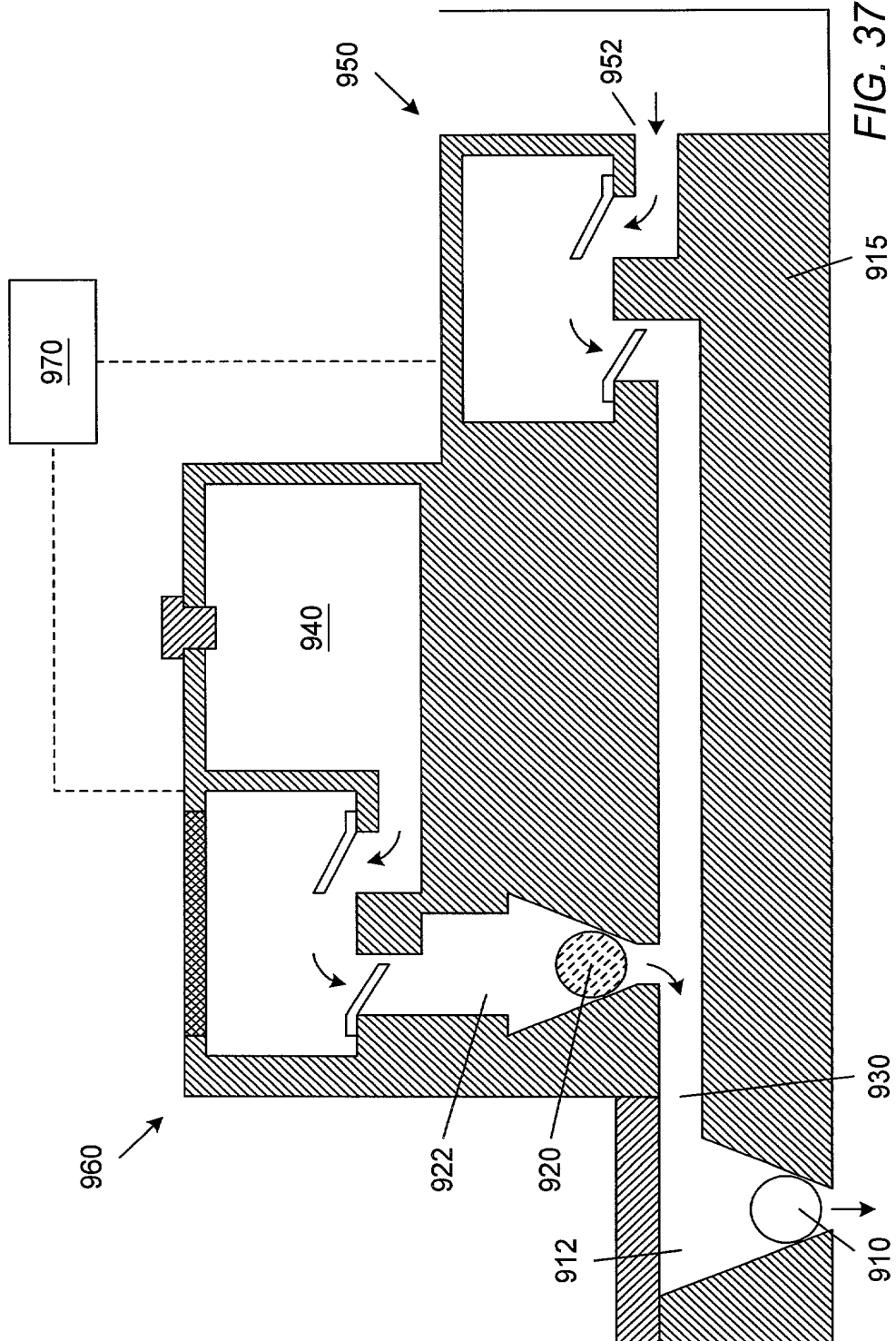
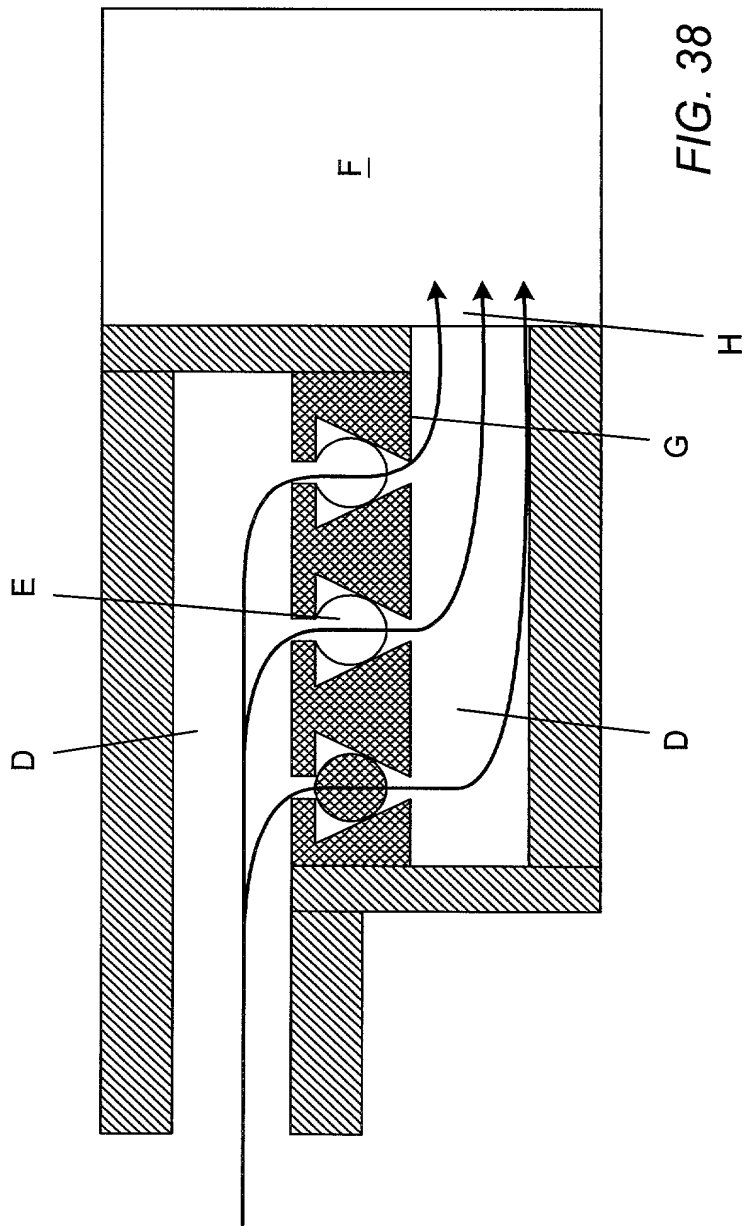


FIG. 37



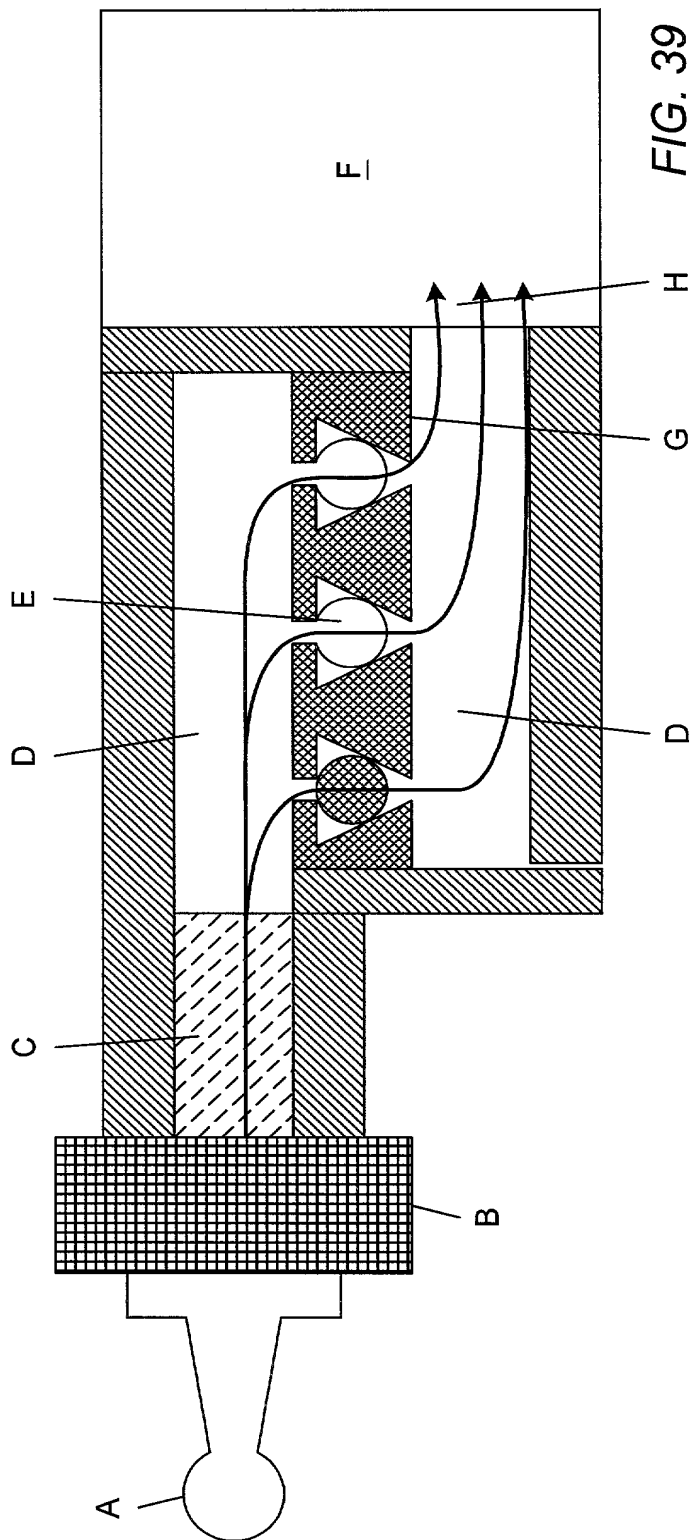


FIG. 39

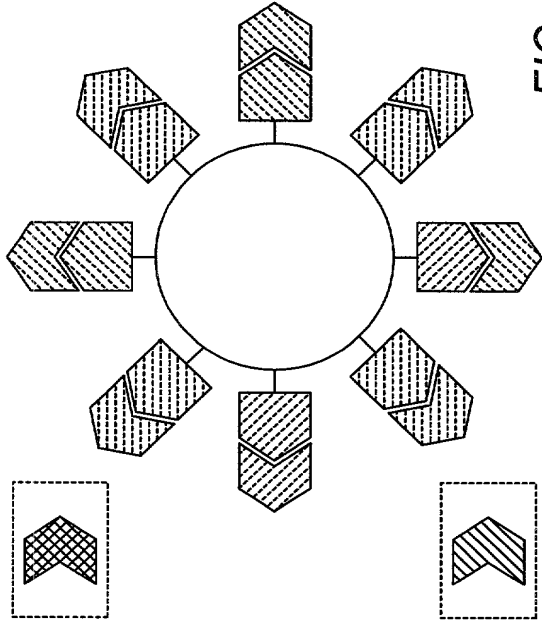
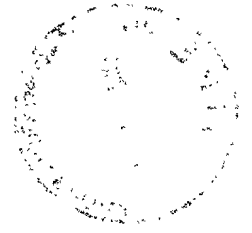


FIG. 40B

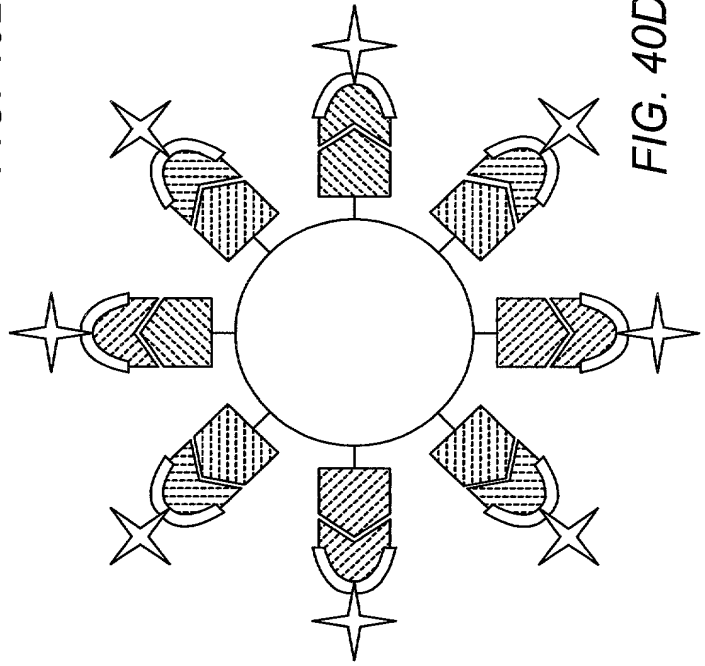


FIG. 40D

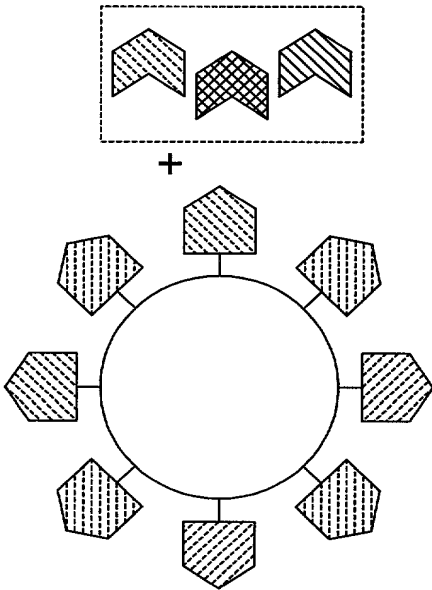


FIG. 40A

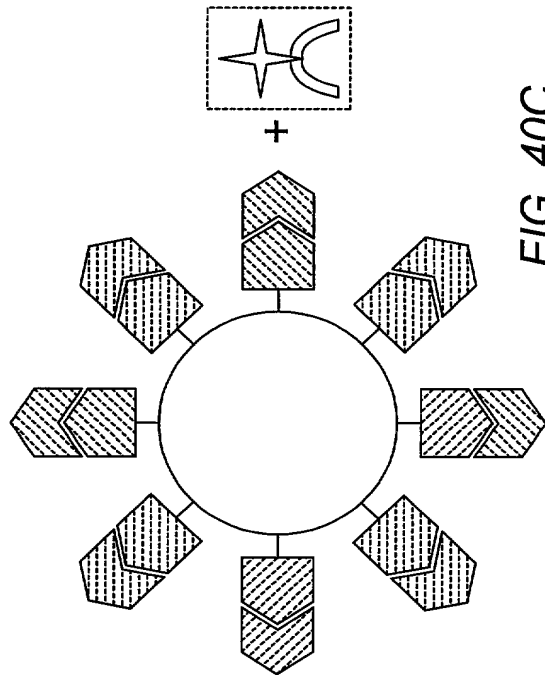


FIG. 40C

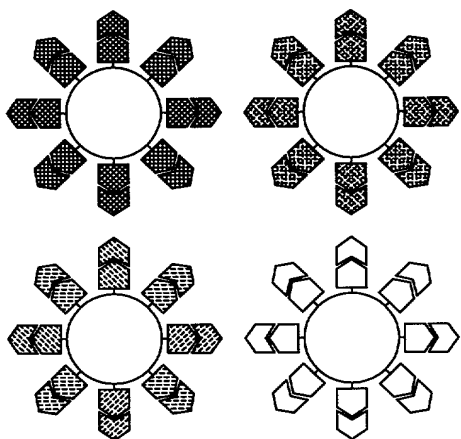


FIG. 41B

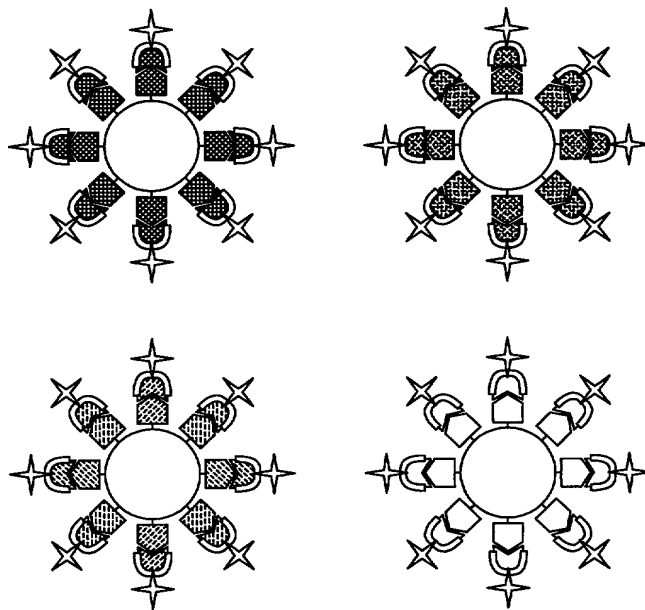


FIG. 41D

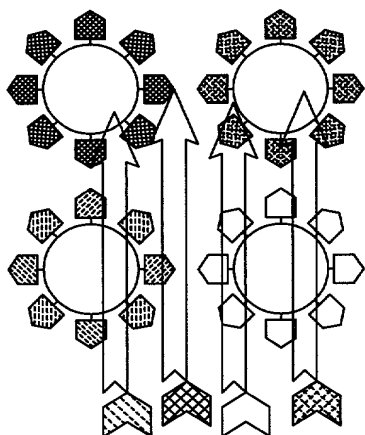


FIG. 41A

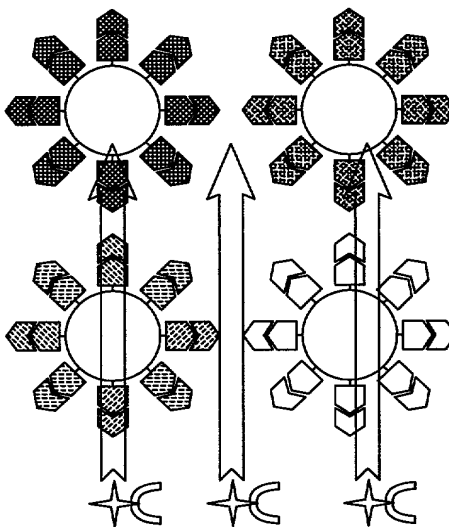


FIG. 41C

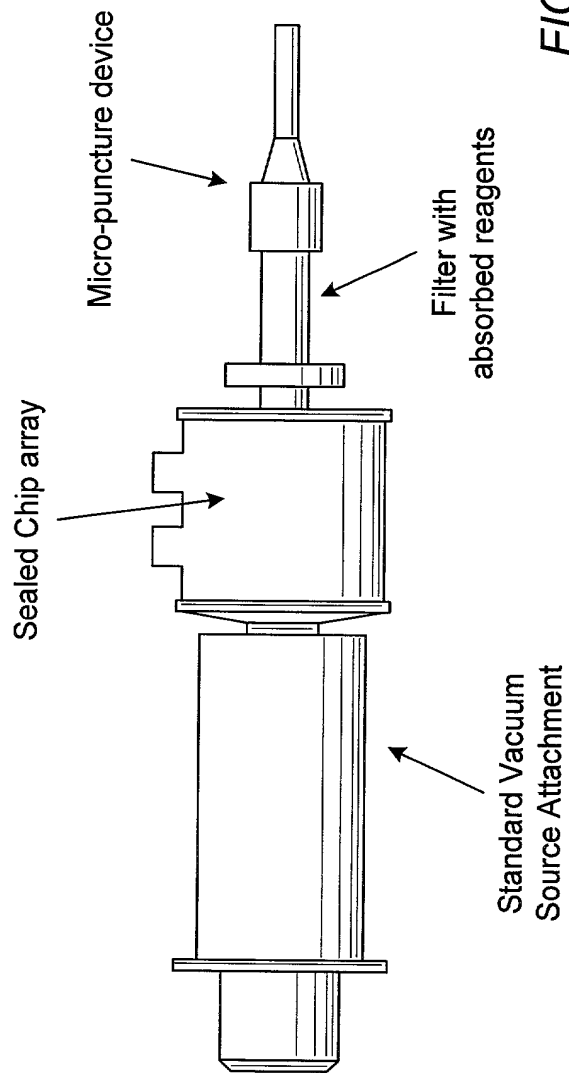
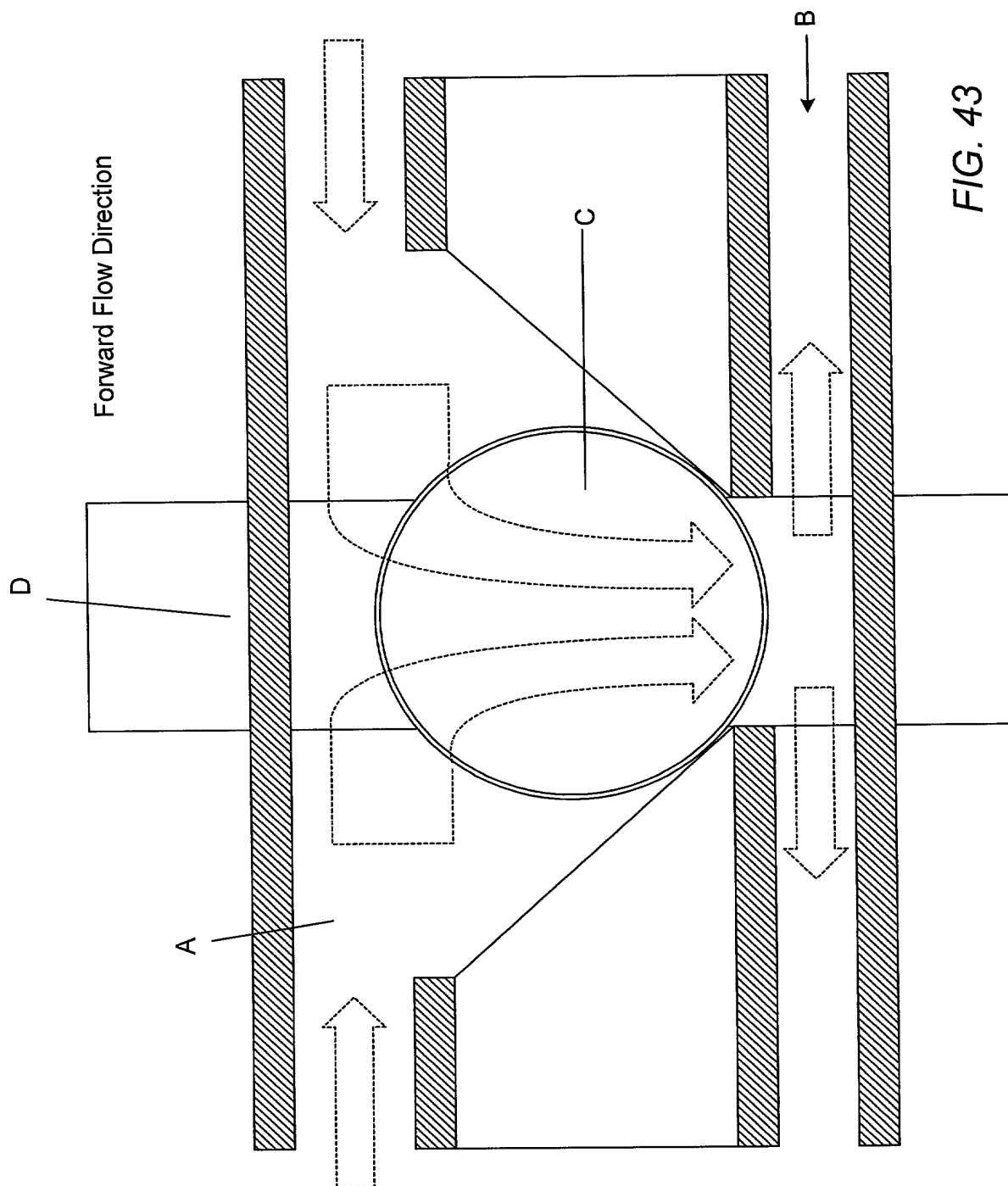


FIG. 42



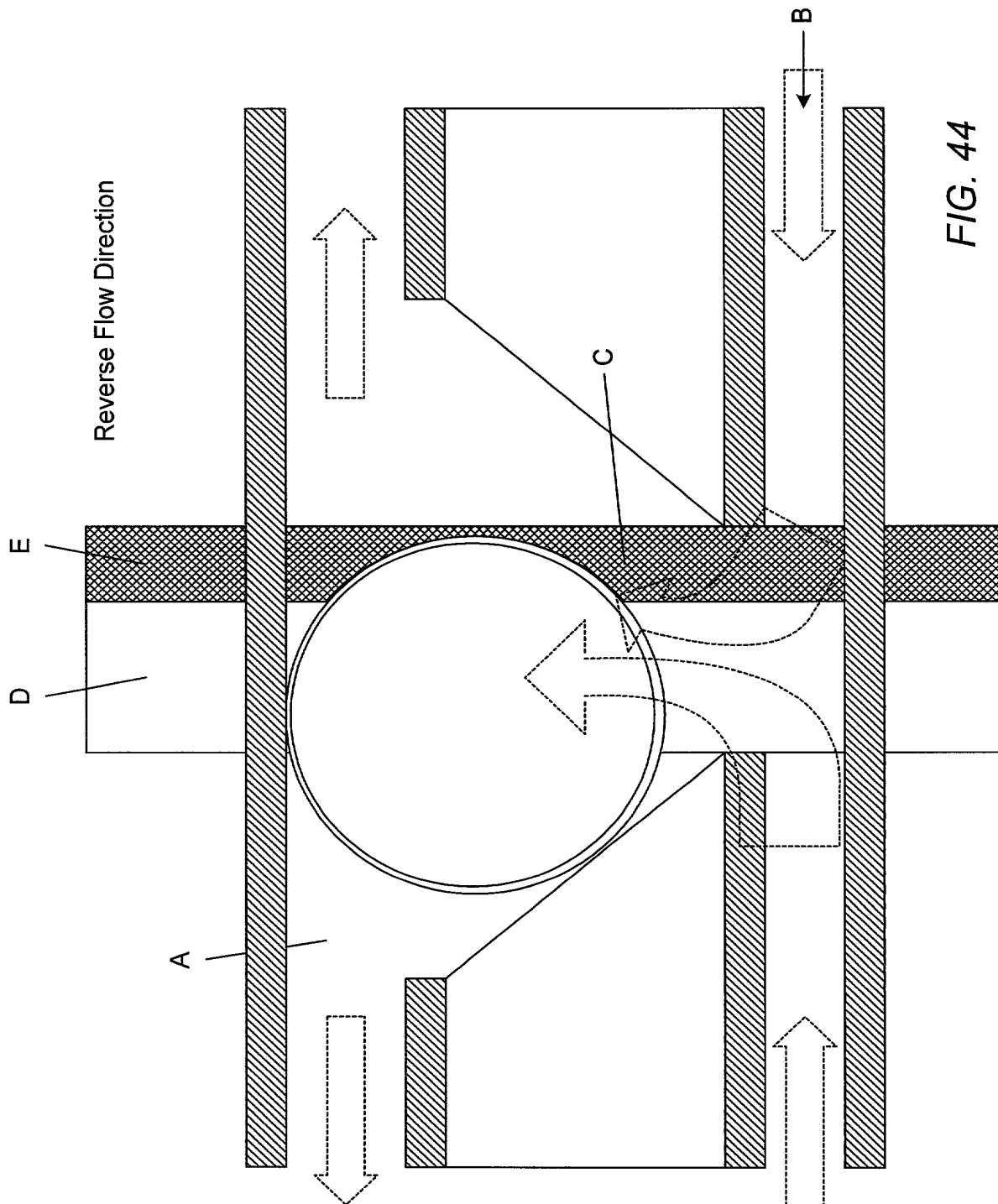


FIG. 44

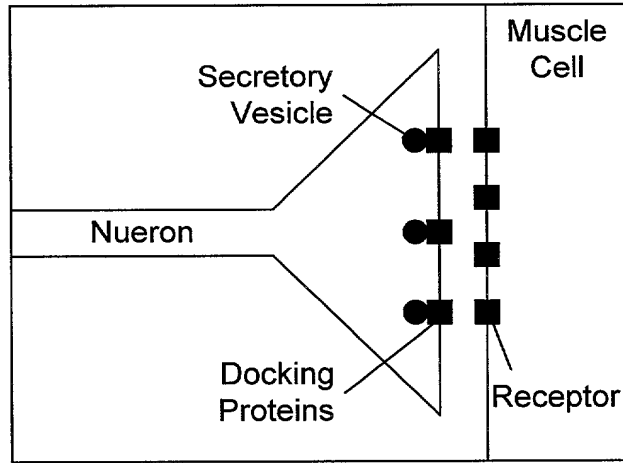


FIG. 45A

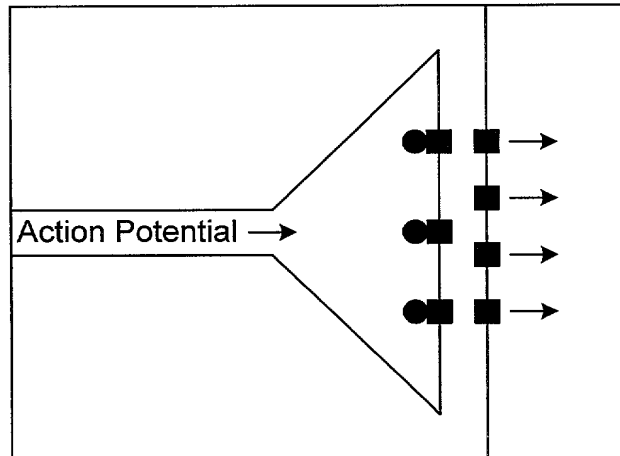


FIG. 45B

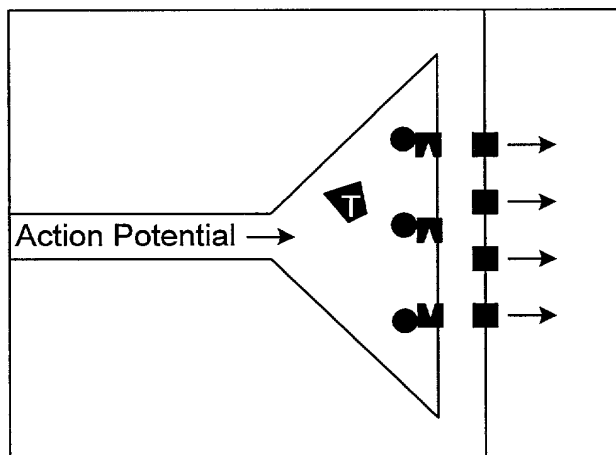


FIG. 45C

2025/20/00822/001

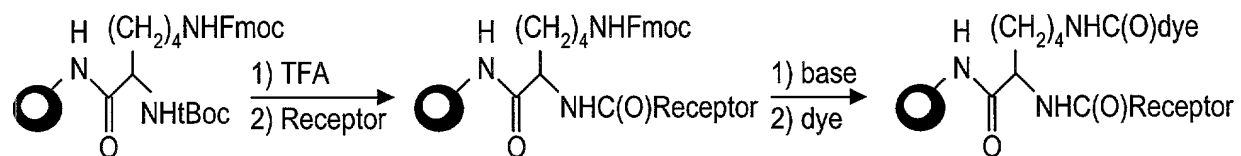


FIG. 45D

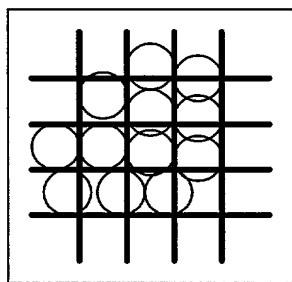


FIG. 46A

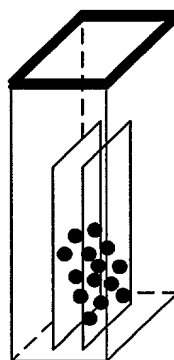


FIG. 46B

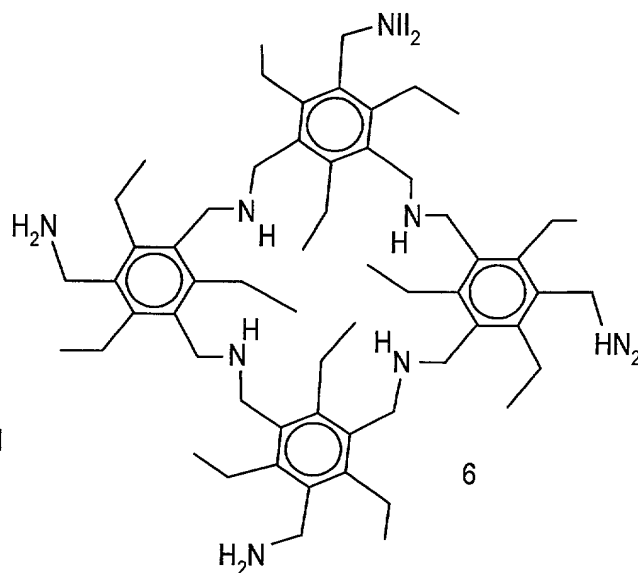
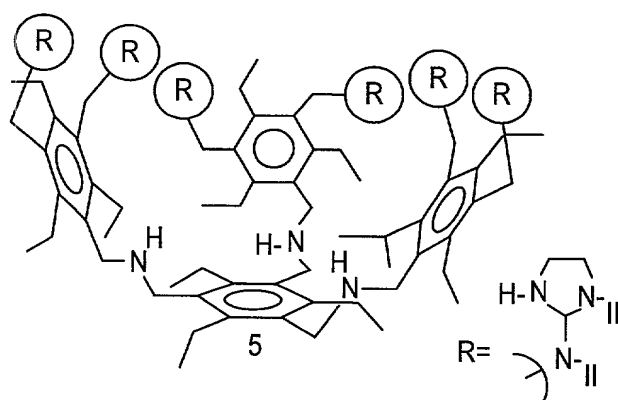
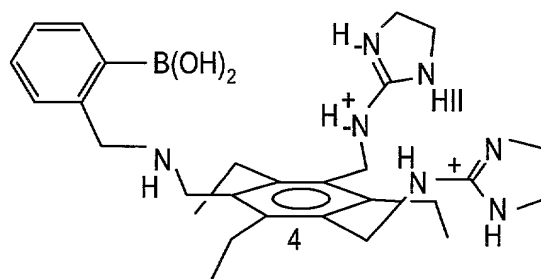
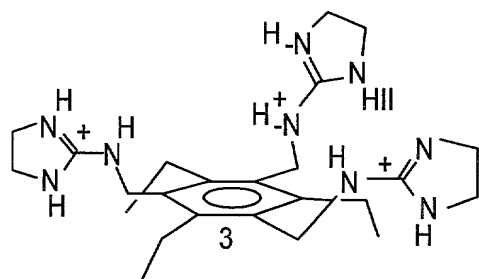


FIG. 47

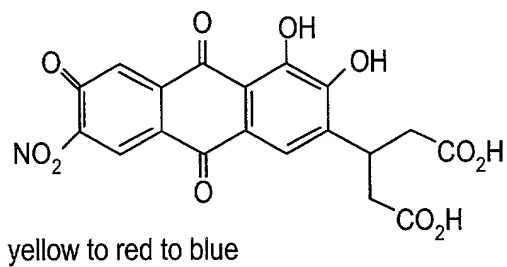
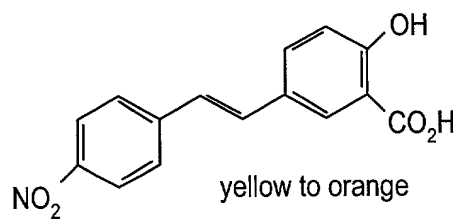
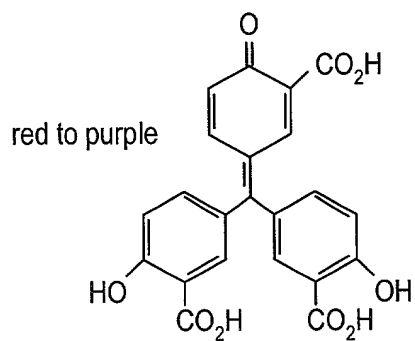
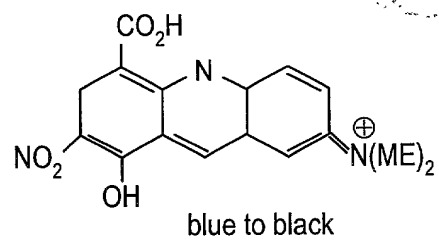
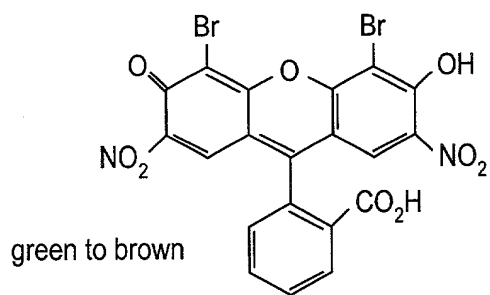


FIG. 48

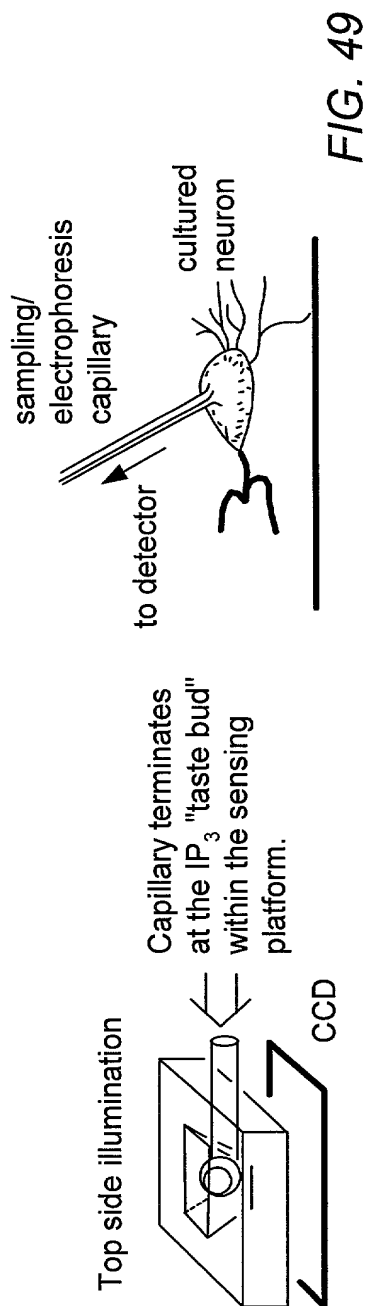


FIG. 49

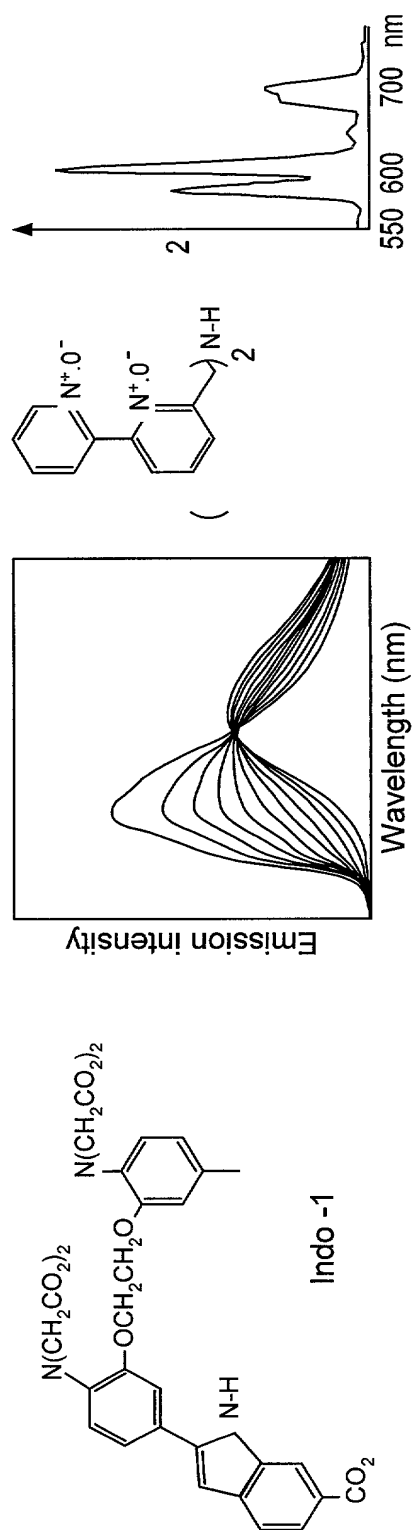


FIG. 50



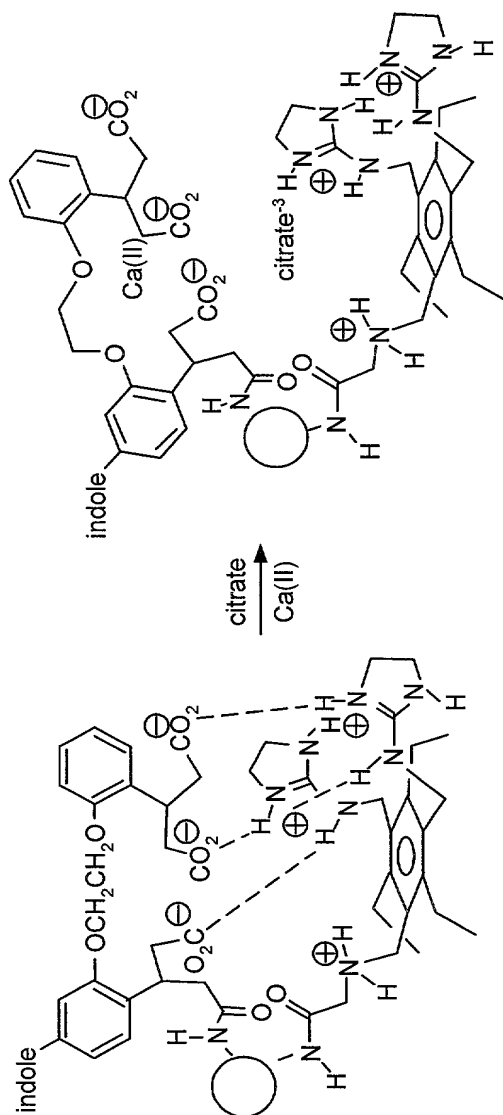


FIG. 51

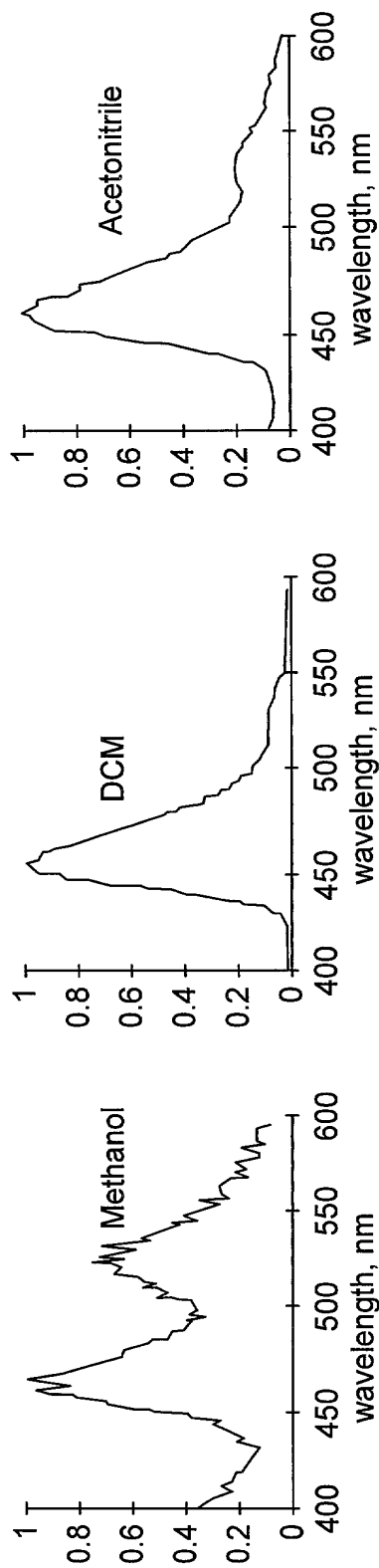
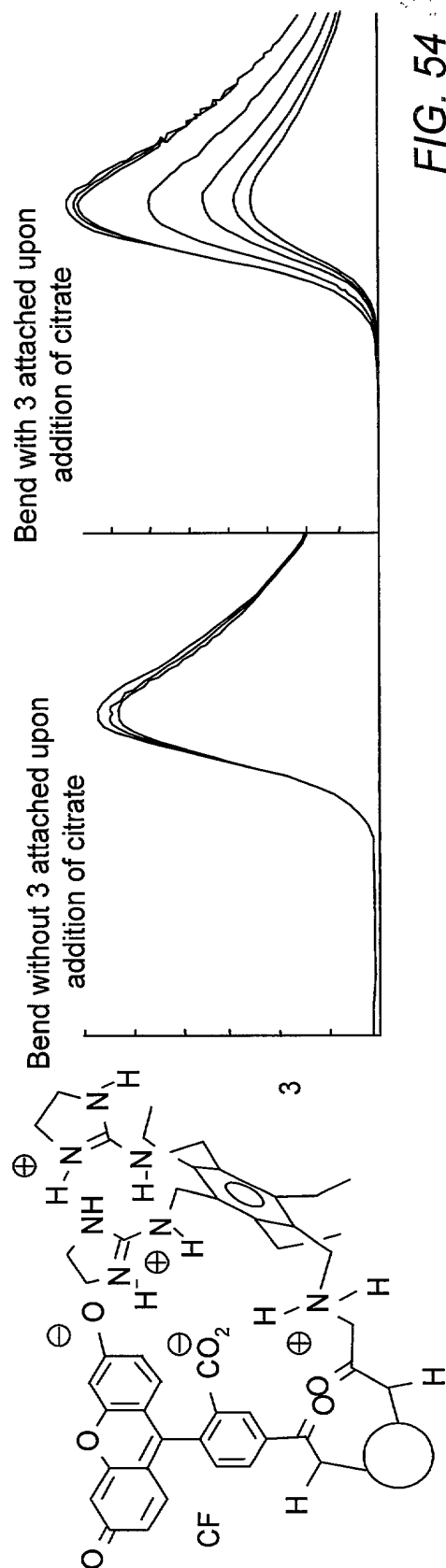
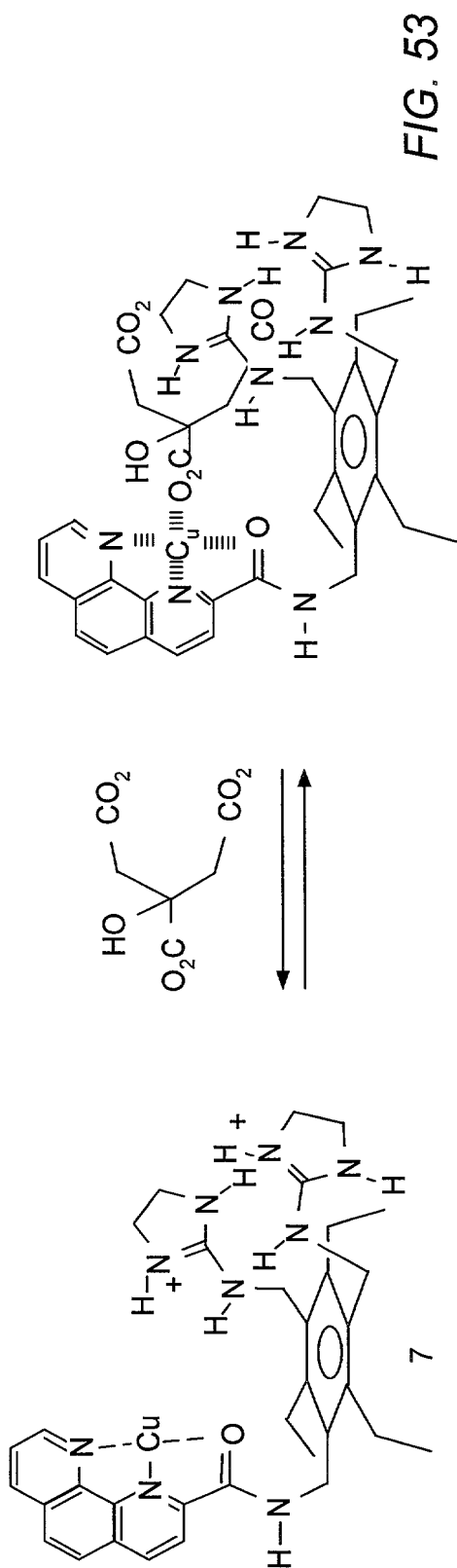


FIG. 52



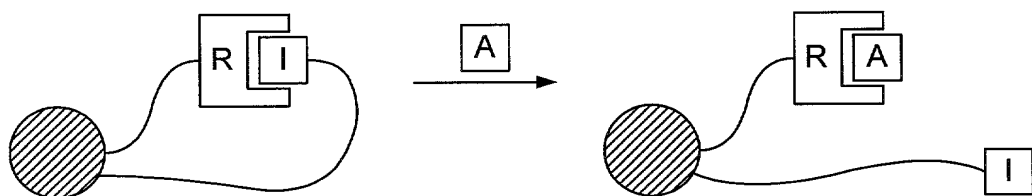
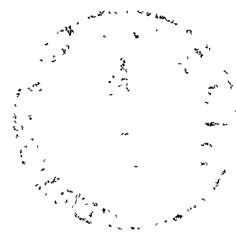


FIG. 55A

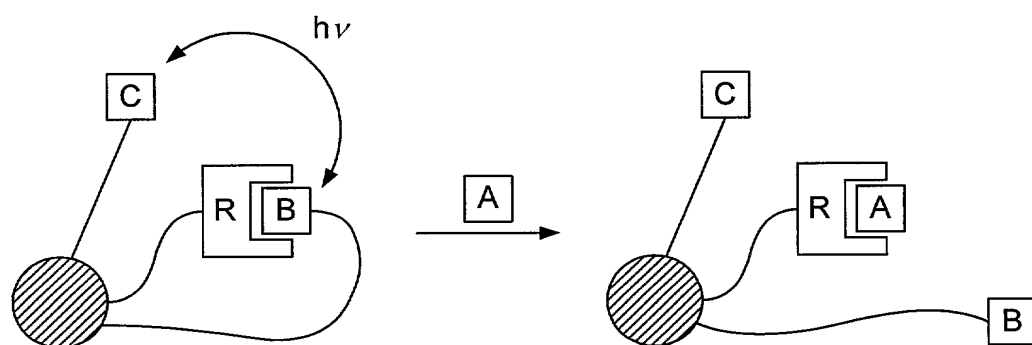


FIG. 55B

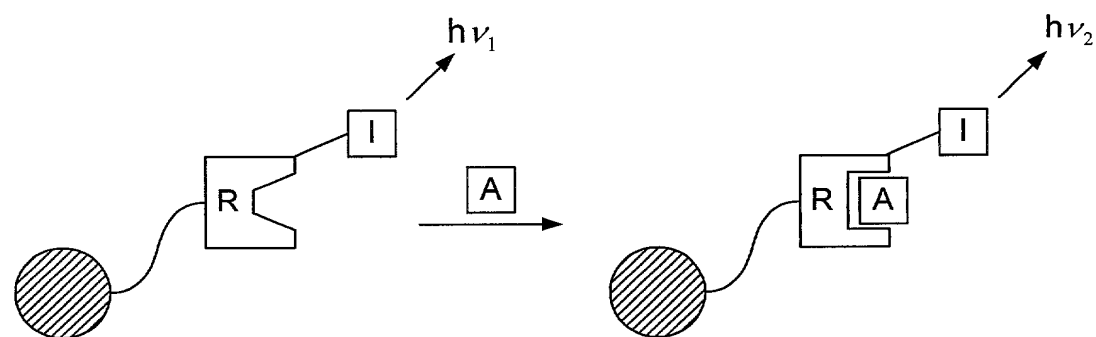


FIG. 55C

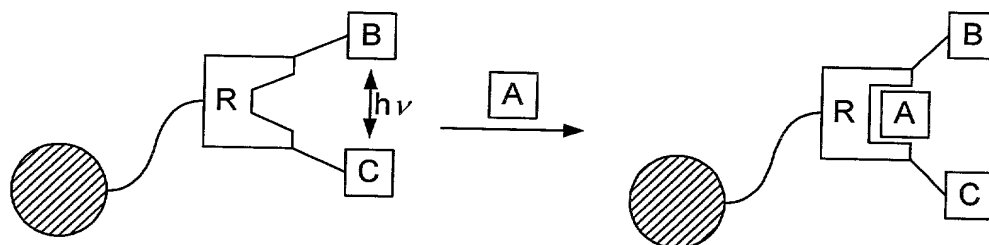


FIG. 55D

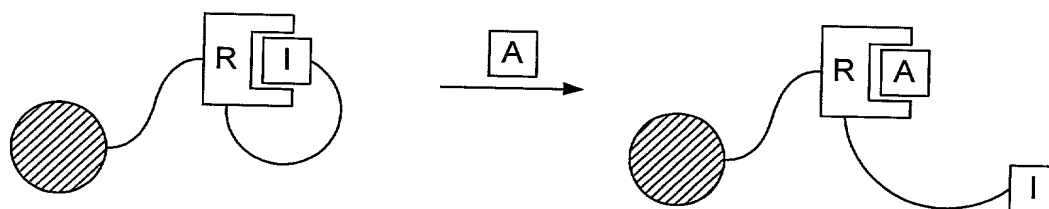


FIG. 55E

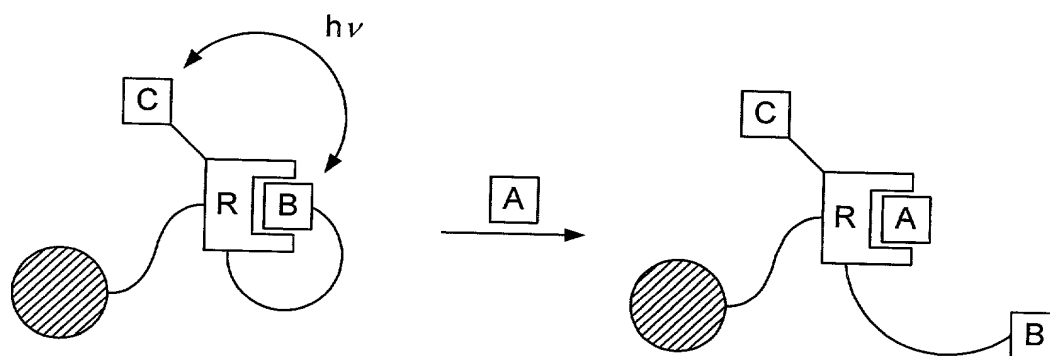


FIG. 55F

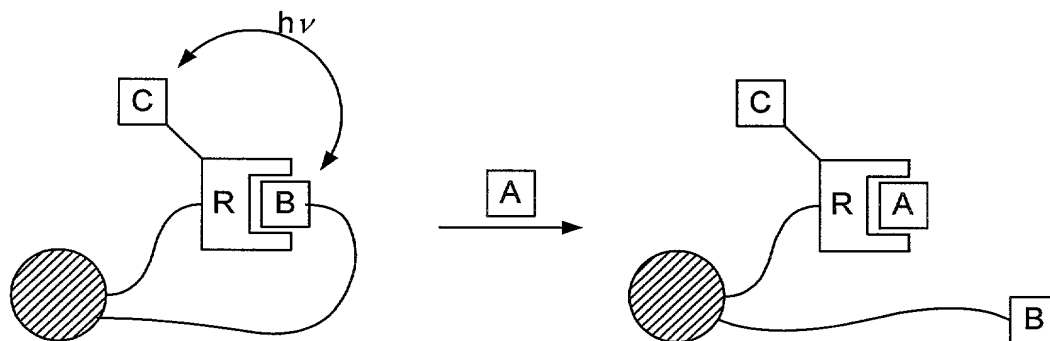


FIG. 55G

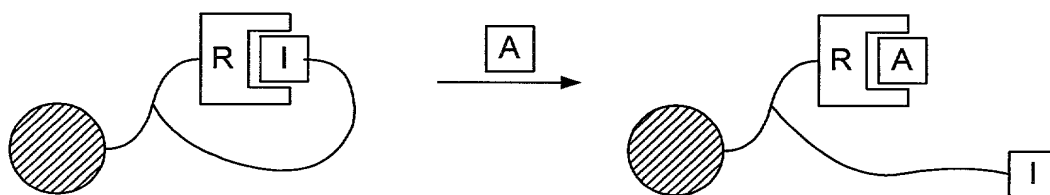


FIG. 55H

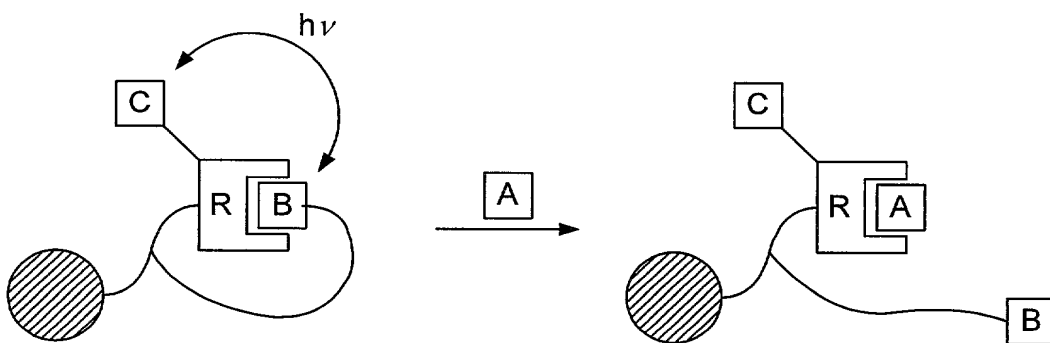


FIG. 55I

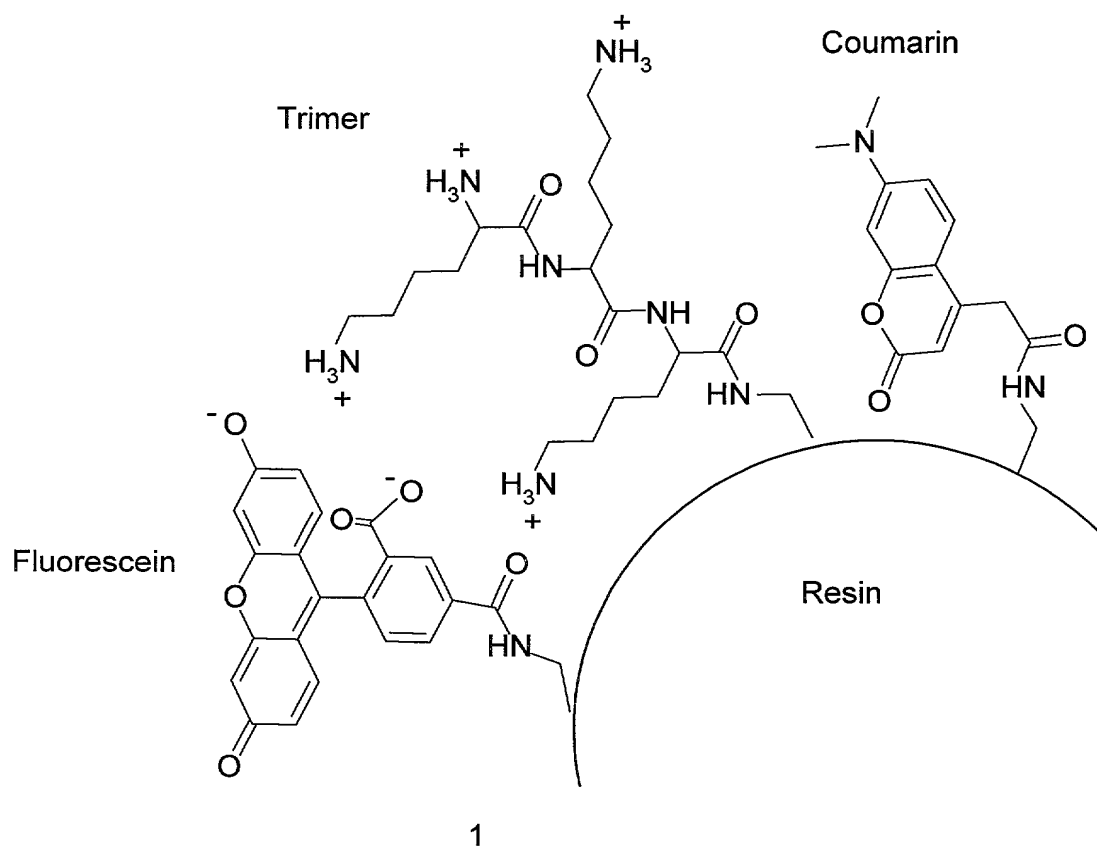


FIG. 56

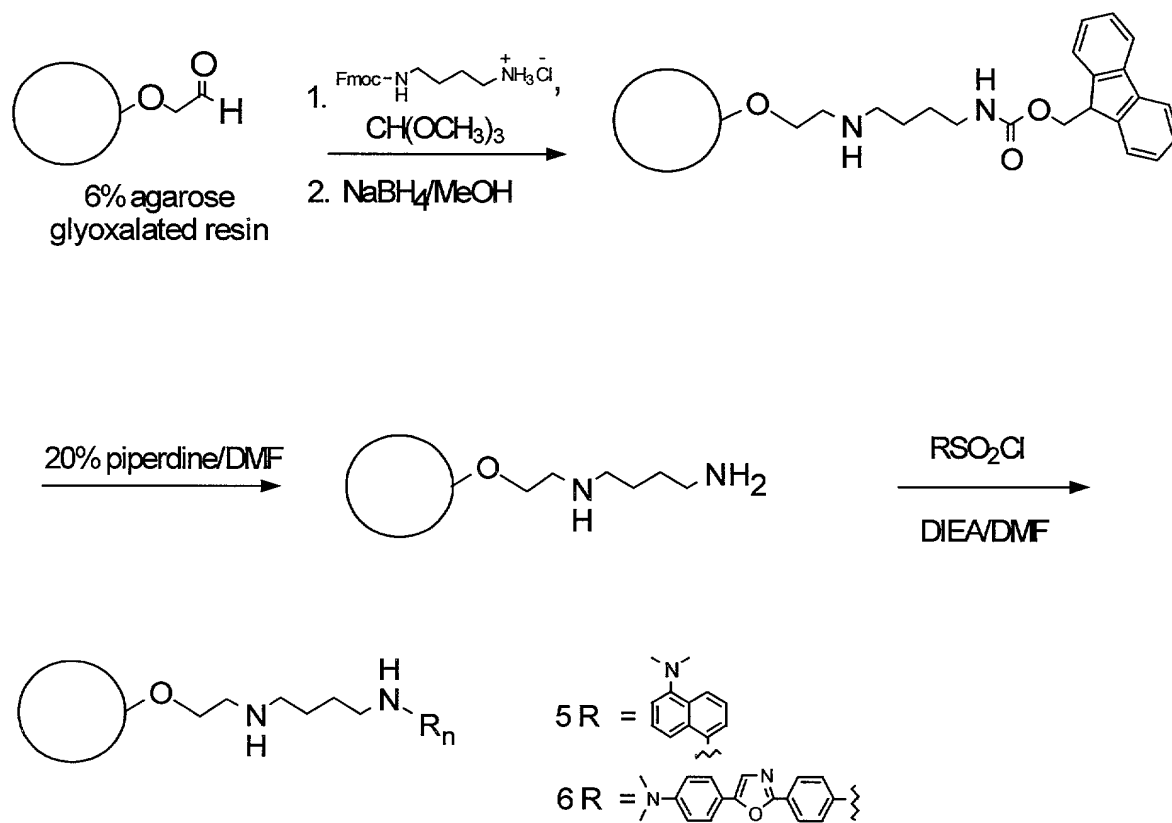


FIG. 57

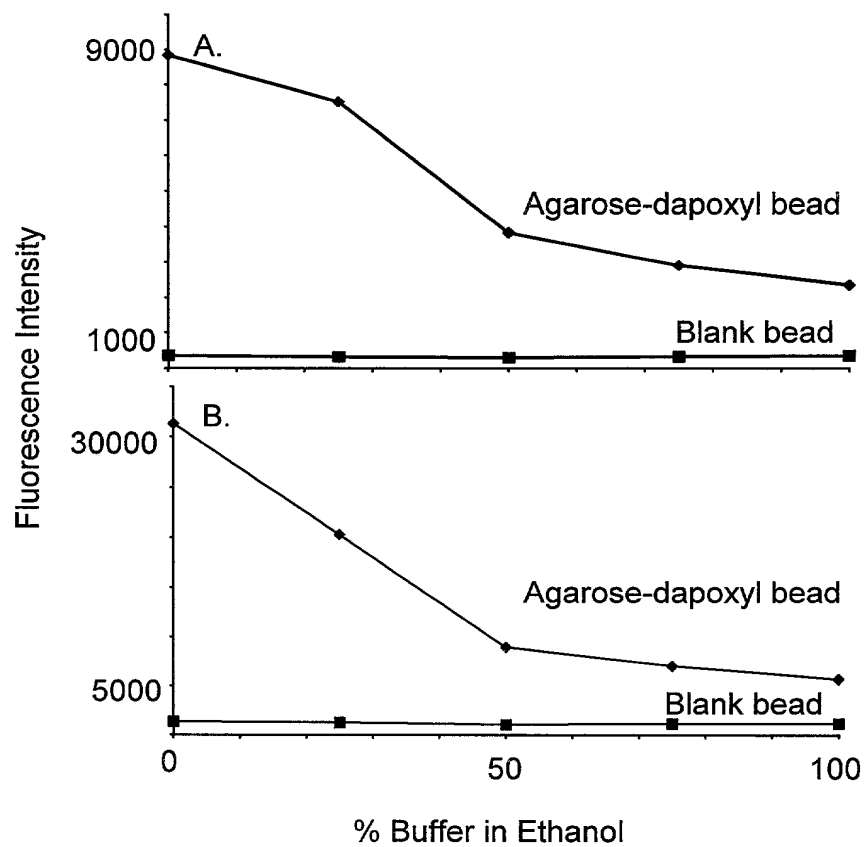
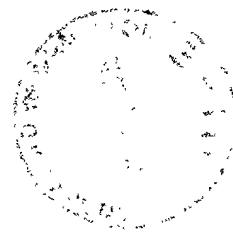


FIG. 58

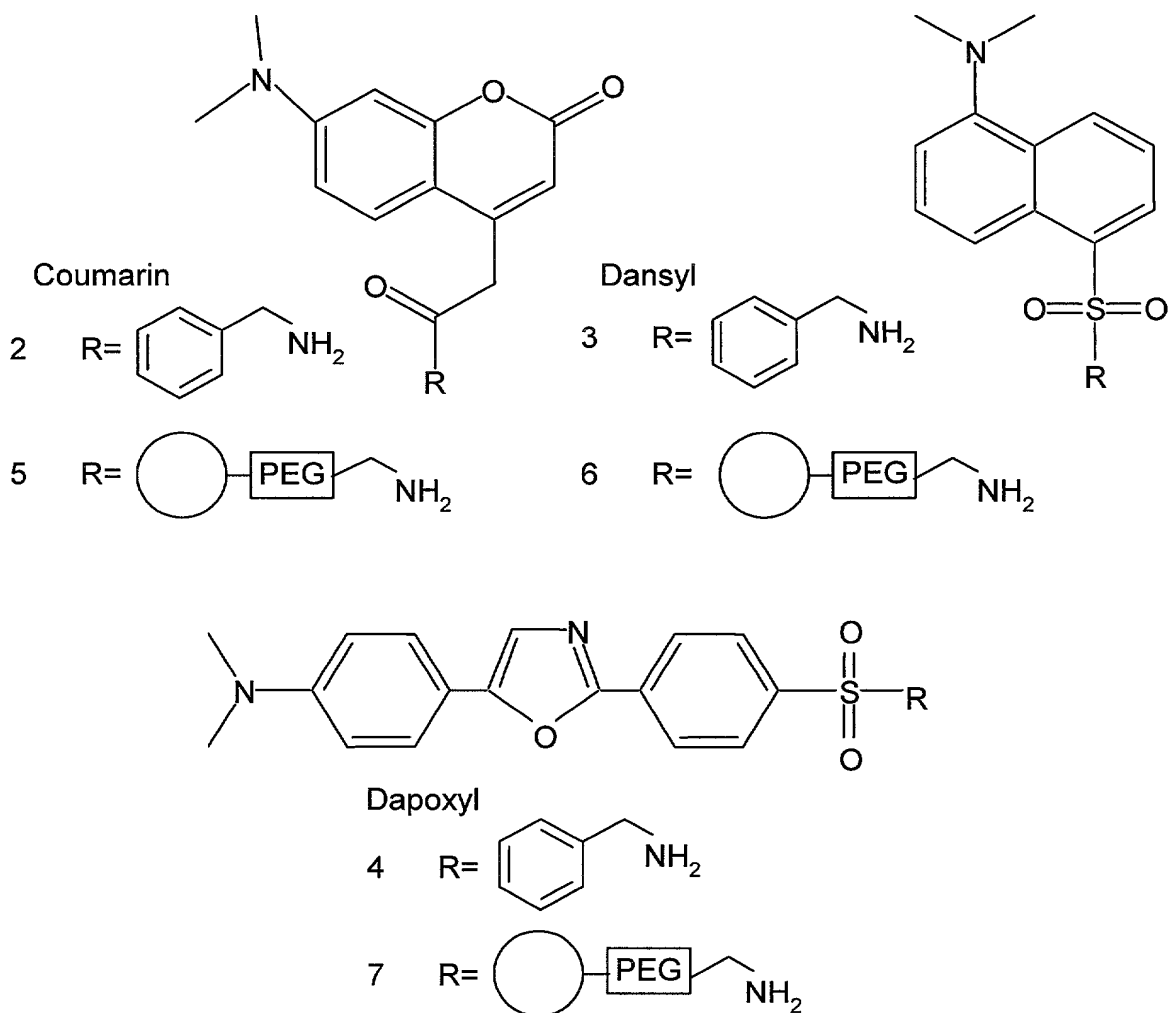


FIG. 59

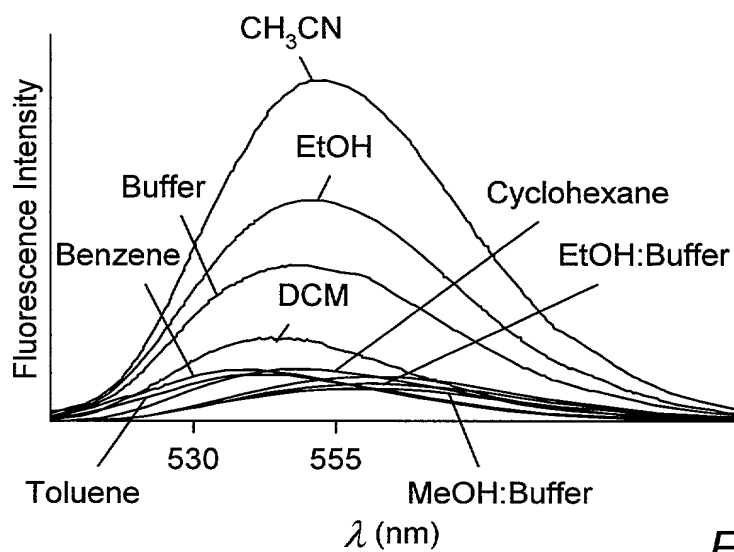
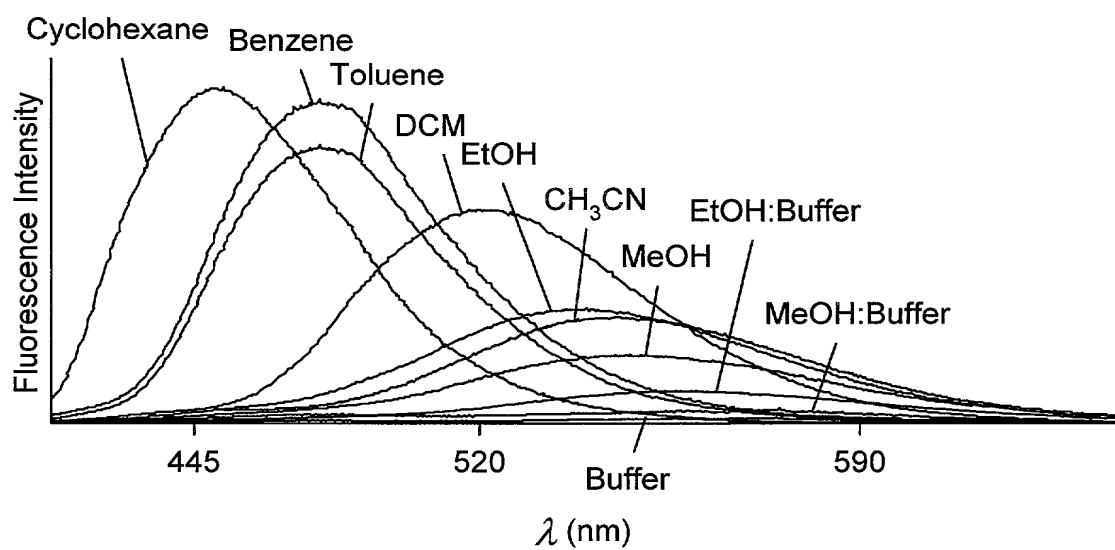
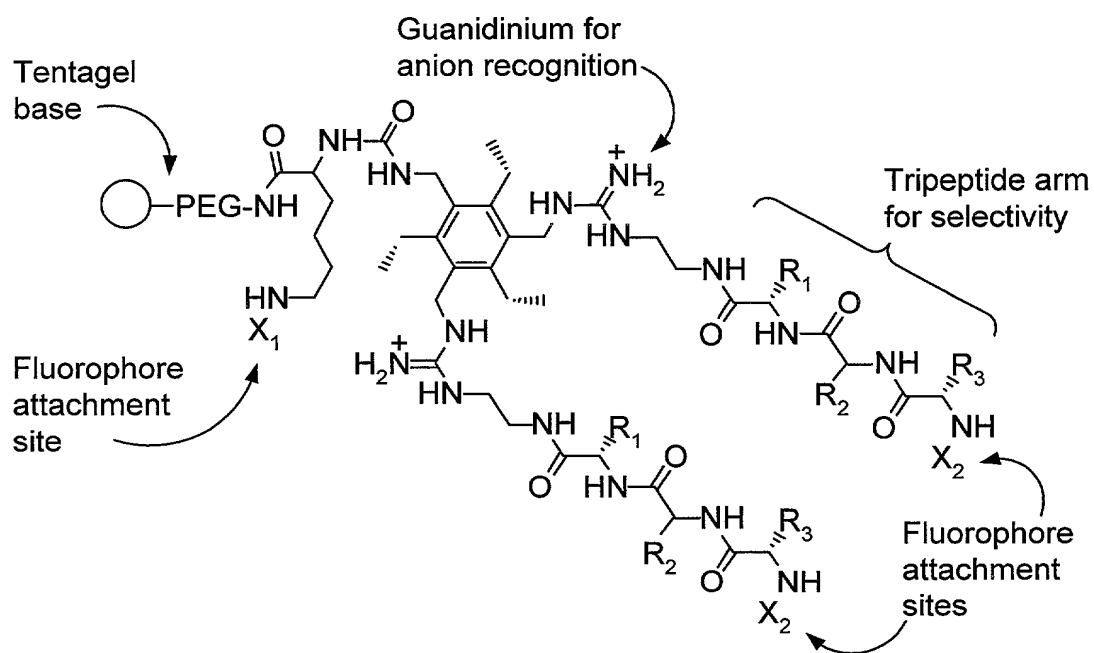
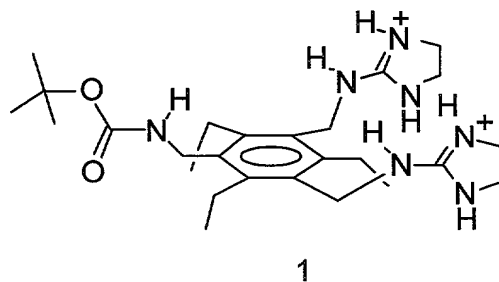


FIG. 60



2: $X_1 = X_2 = H$

3: $X_1 =$

$X_2 =$

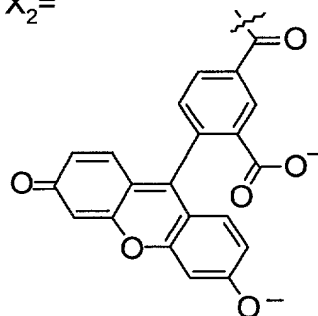
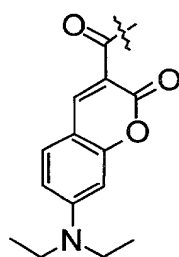


FIG. 61

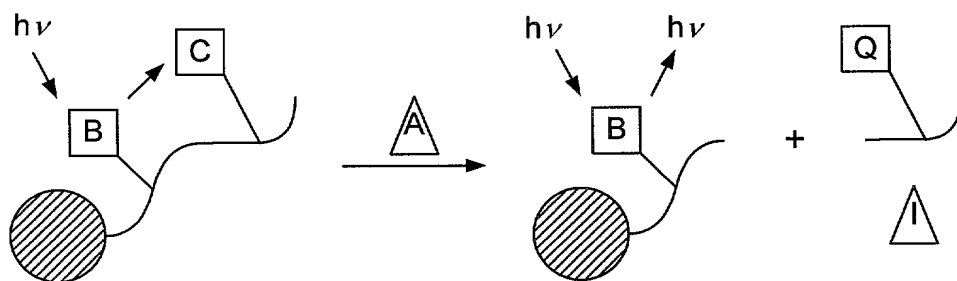


FIG. 62A

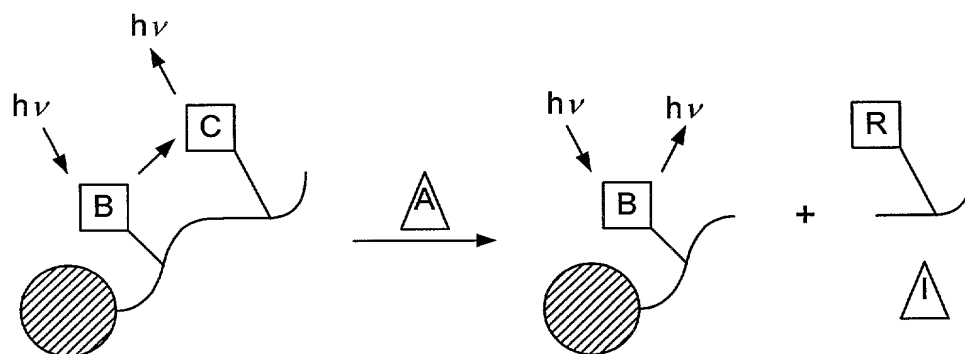


FIG. 62B

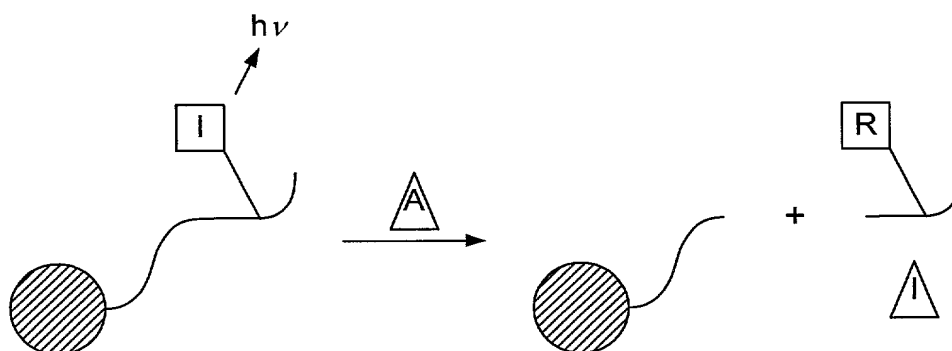


FIG. 62C

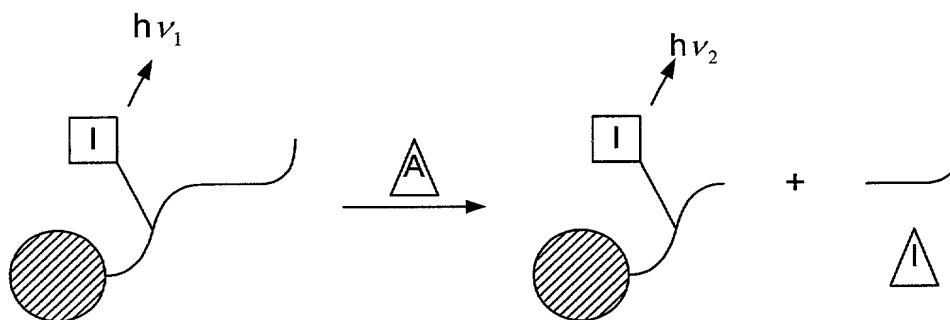


FIG. 62D

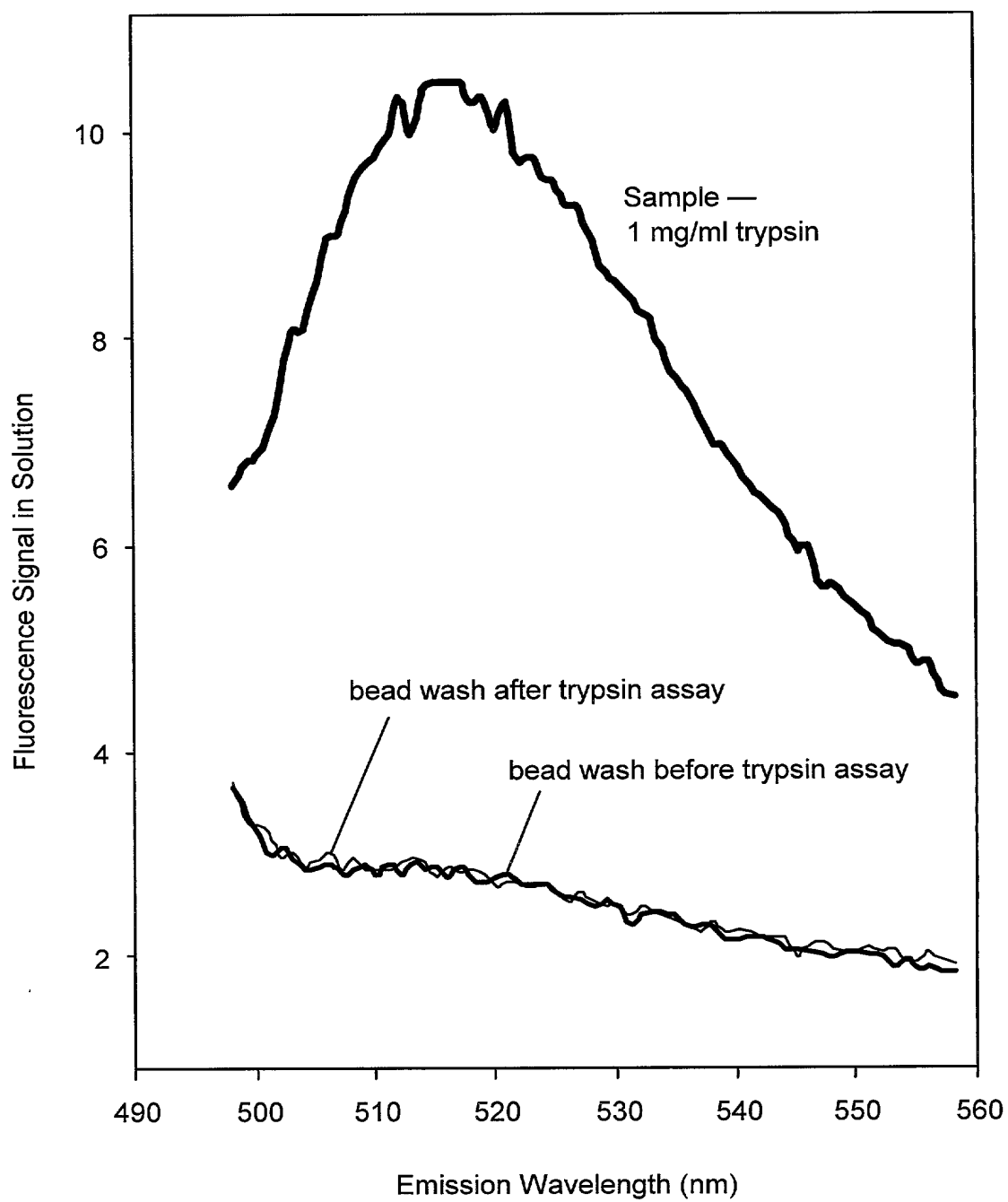


FIG. 63

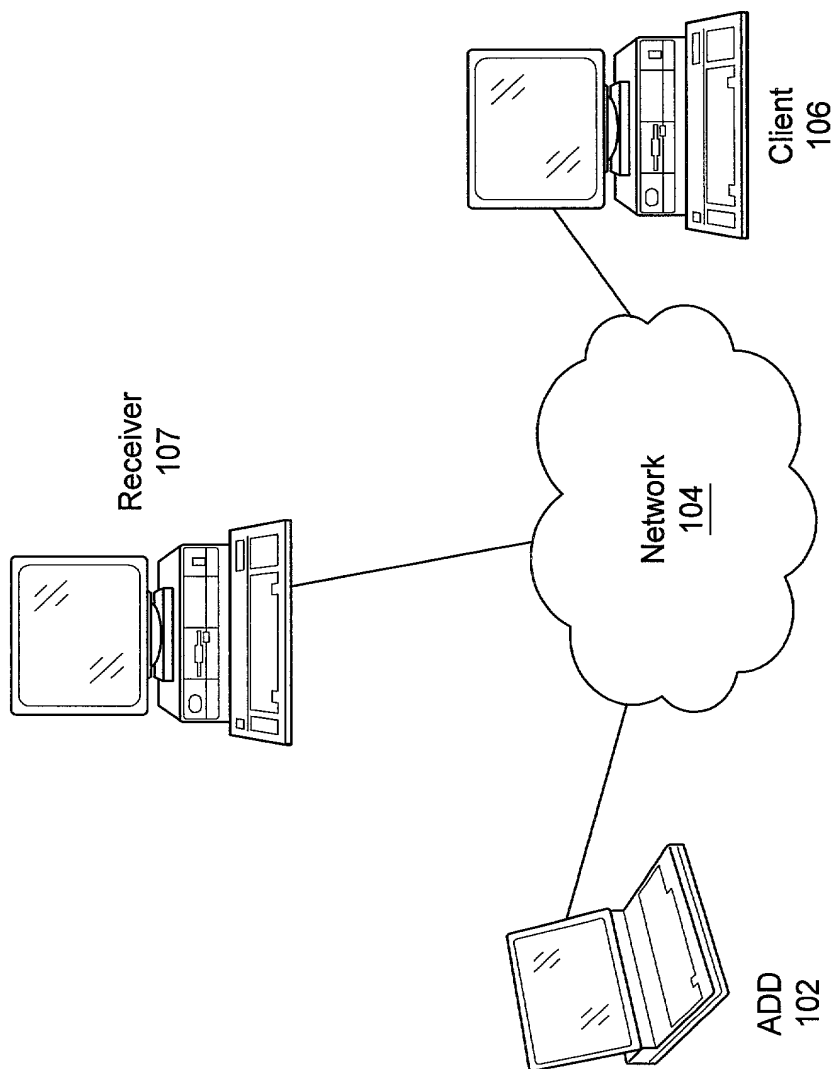


FIG. 64

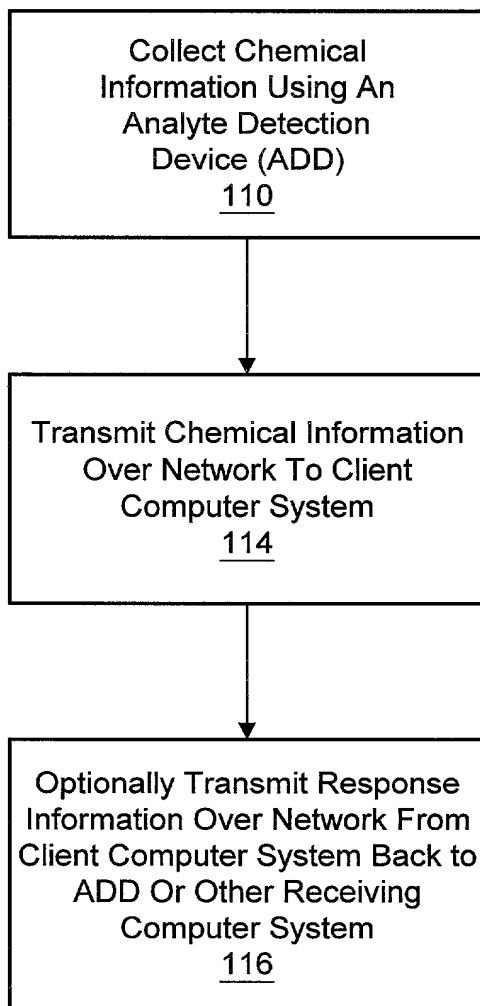


FIG. 65

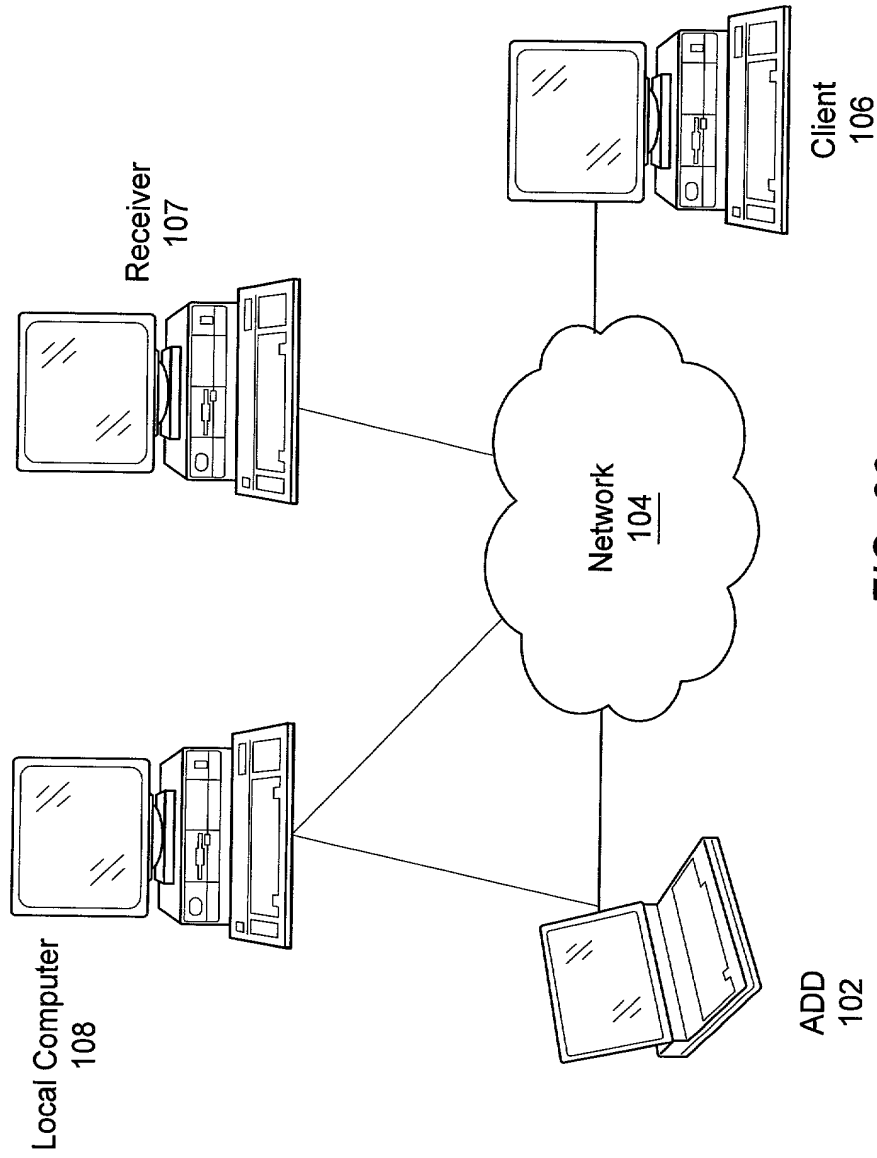
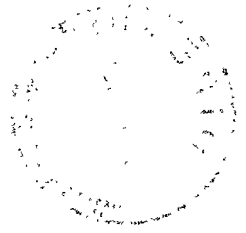


FIG. 66

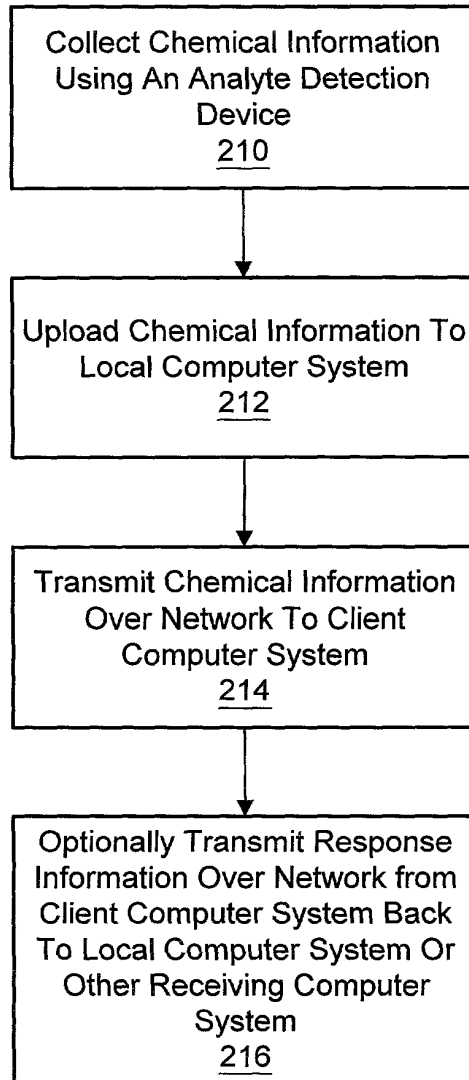


FIG. 67

2024010822001

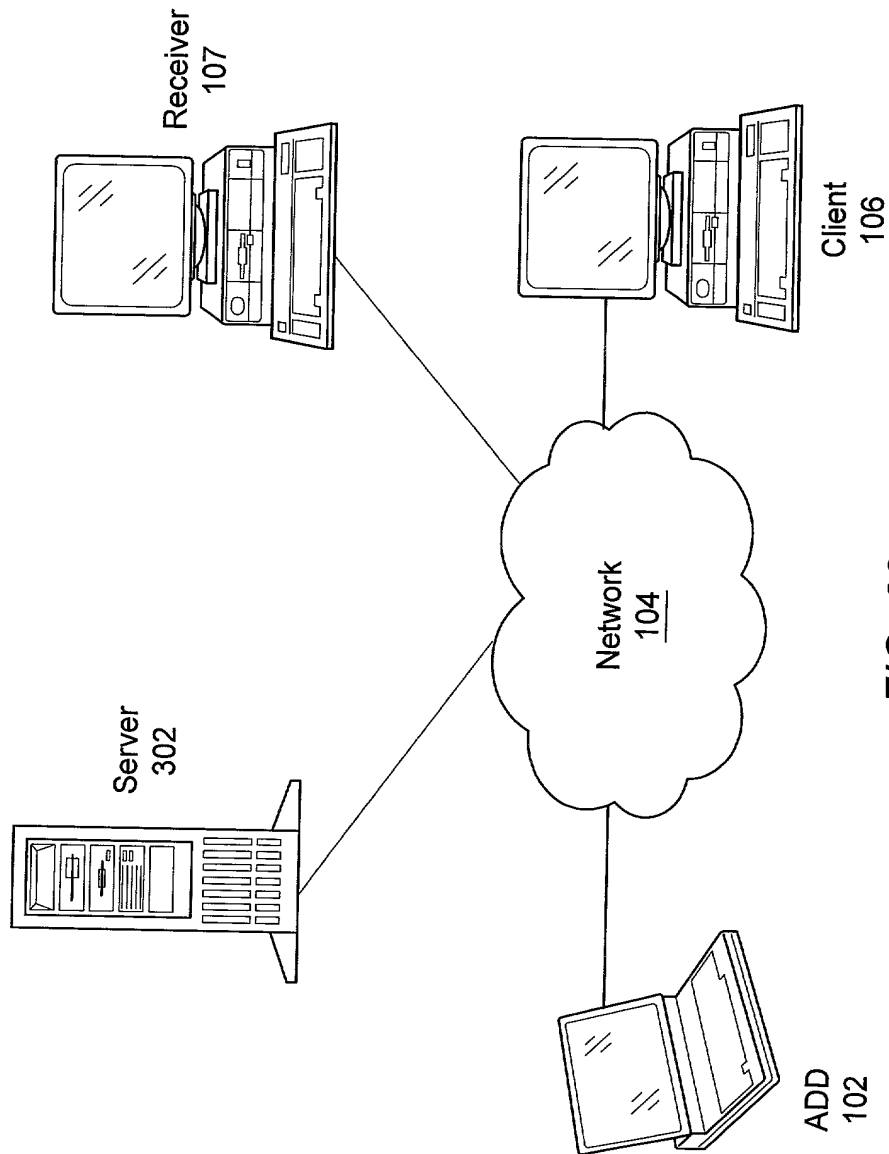


FIG. 68

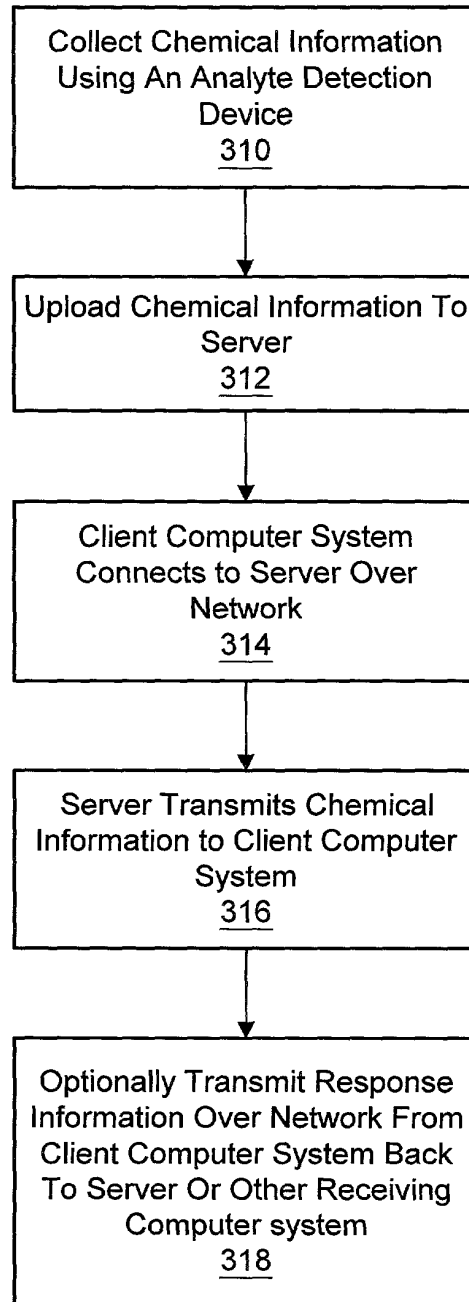
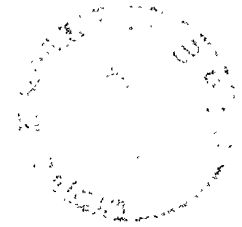


FIG. 69

2025-07-10 10:00:00

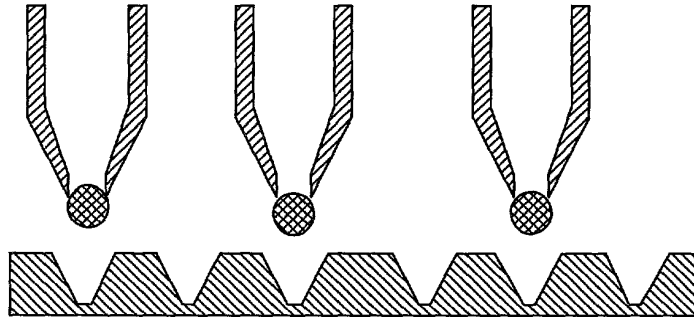


FIG. 70A

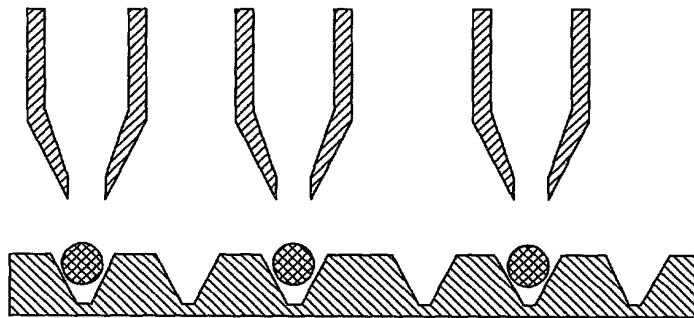


FIG. 70B

208720-00822001

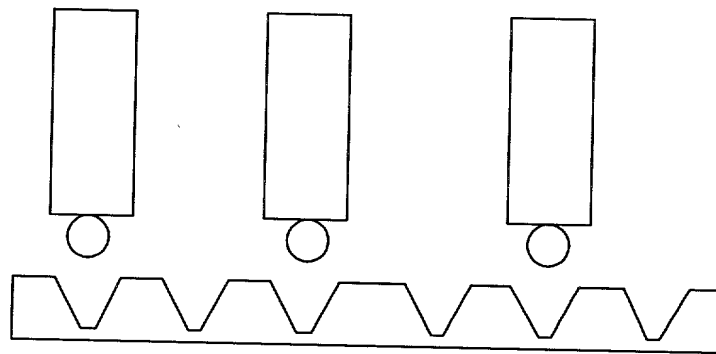


FIG. 71A

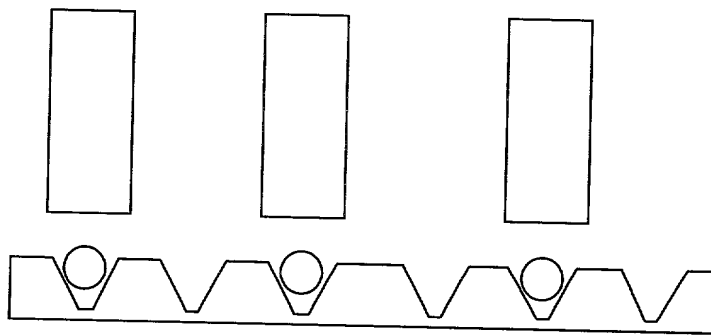


FIG. 71B

2025-07-08 10:00:00

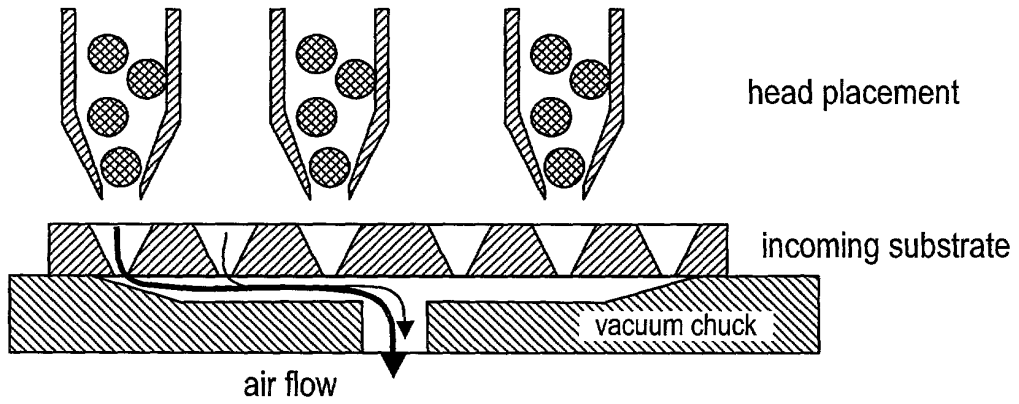


FIG. 72A

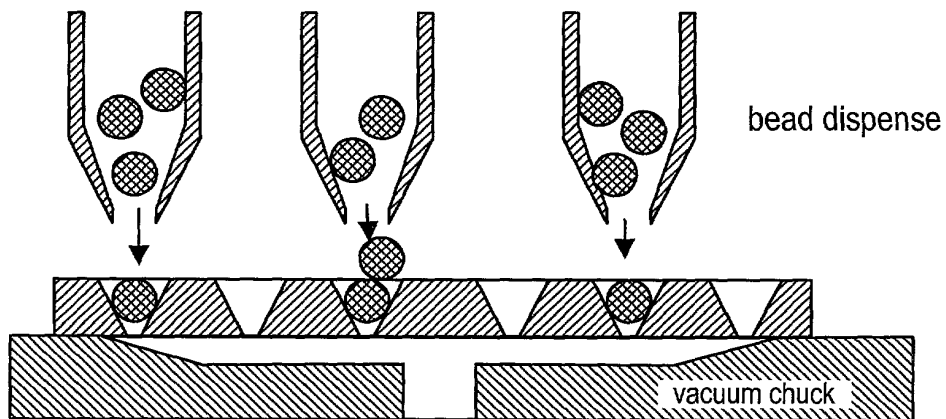


FIG. 72B

208740" 0082/007

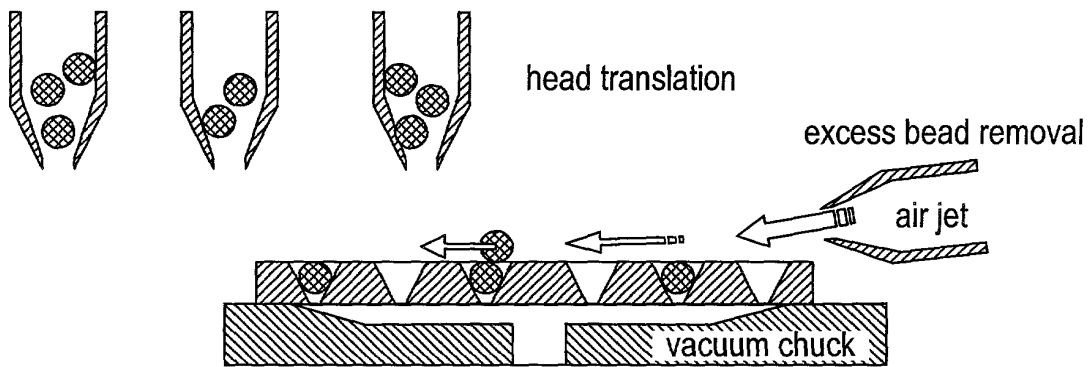


FIG. 72C

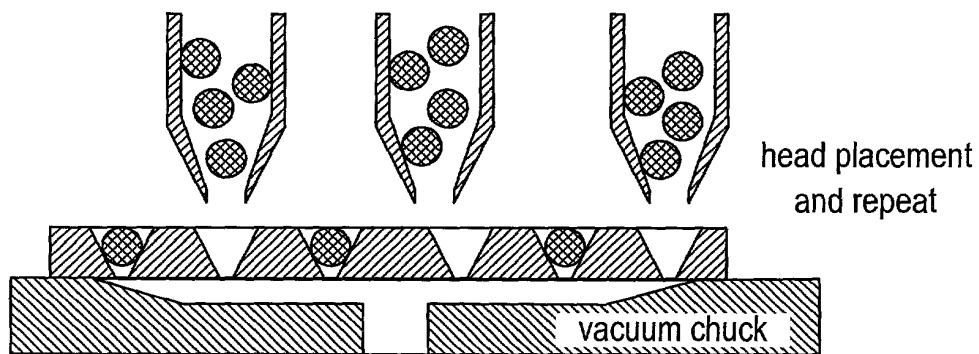


FIG. 72D

208740-0082200T

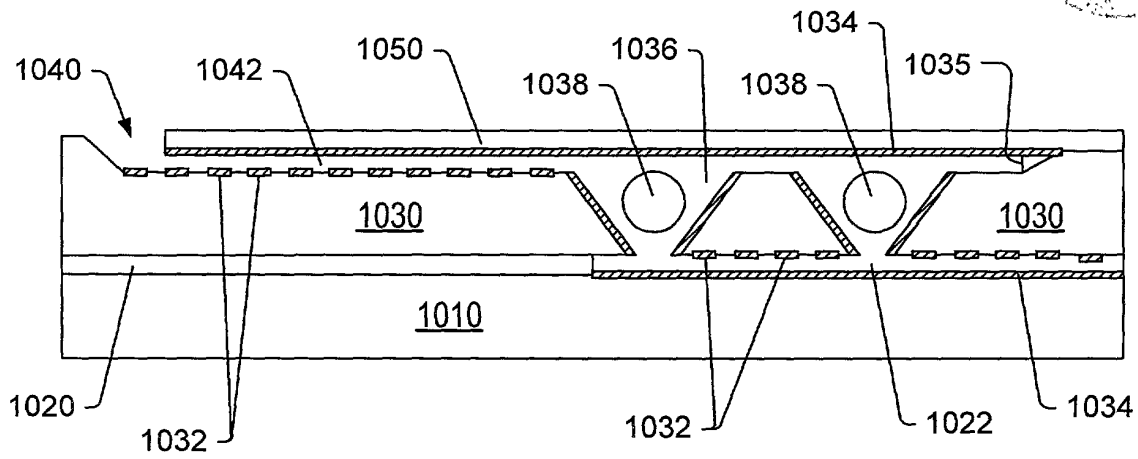


FIG. 73

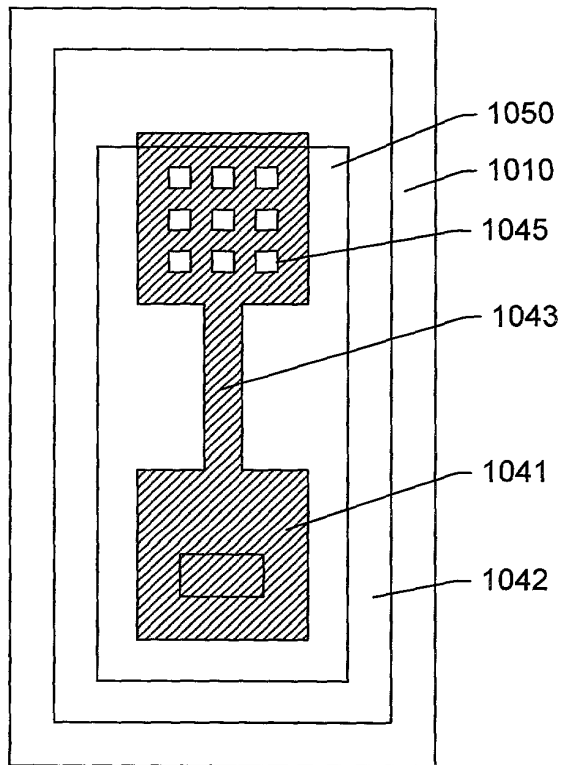


FIG. 74A

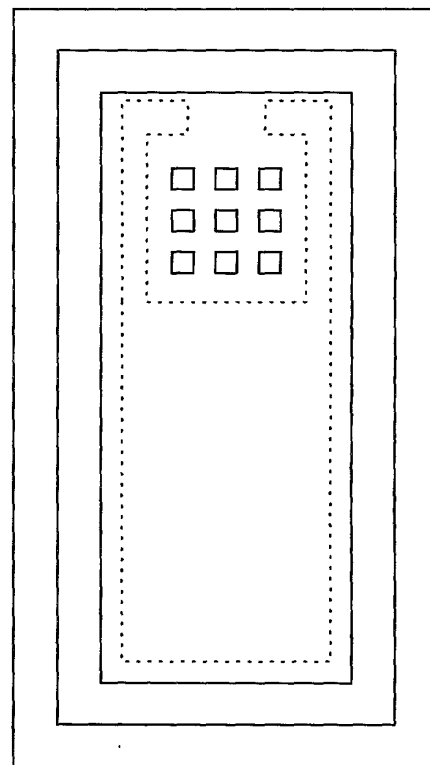


FIG. 74B

2021-01-08 09:22:00

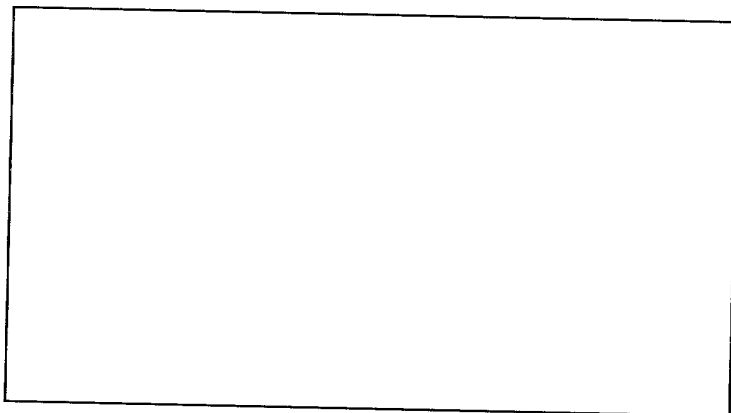
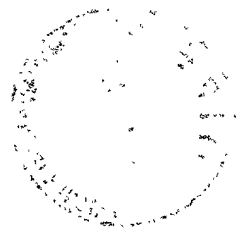


FIG. 75D

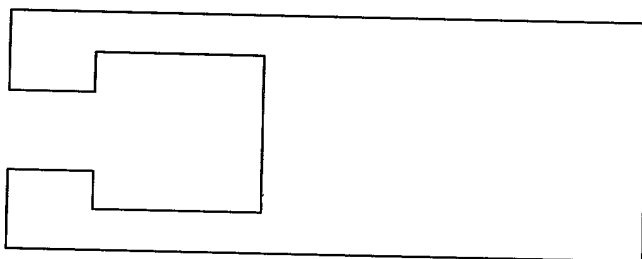


FIG. 75C

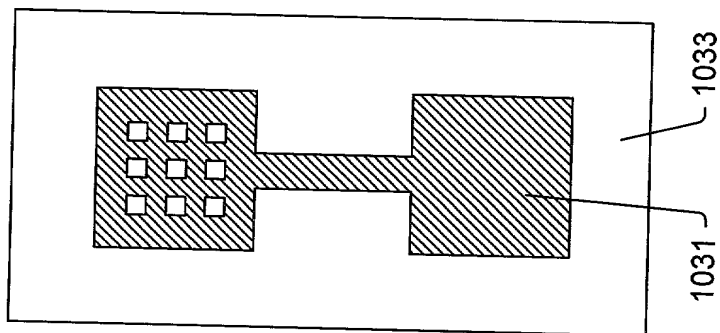


FIG. 75B

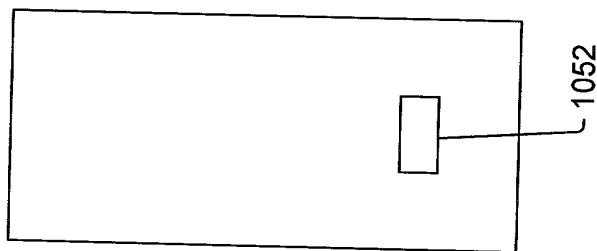


FIG. 75A

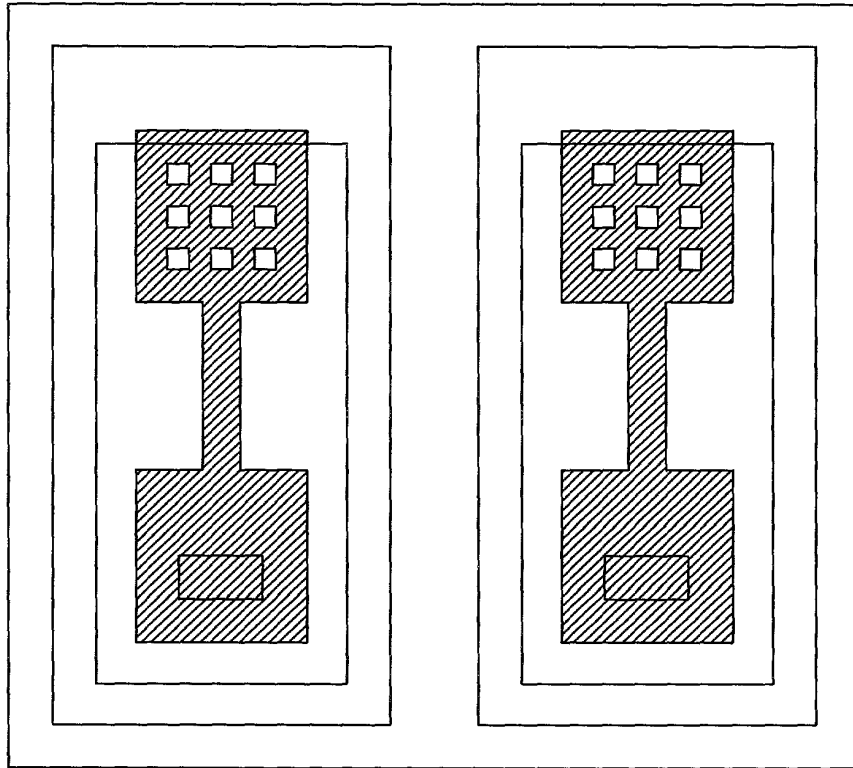
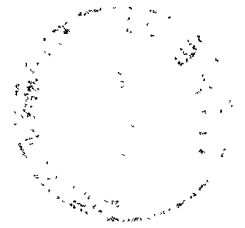


FIG. 76

2025-01-08 09:22:00

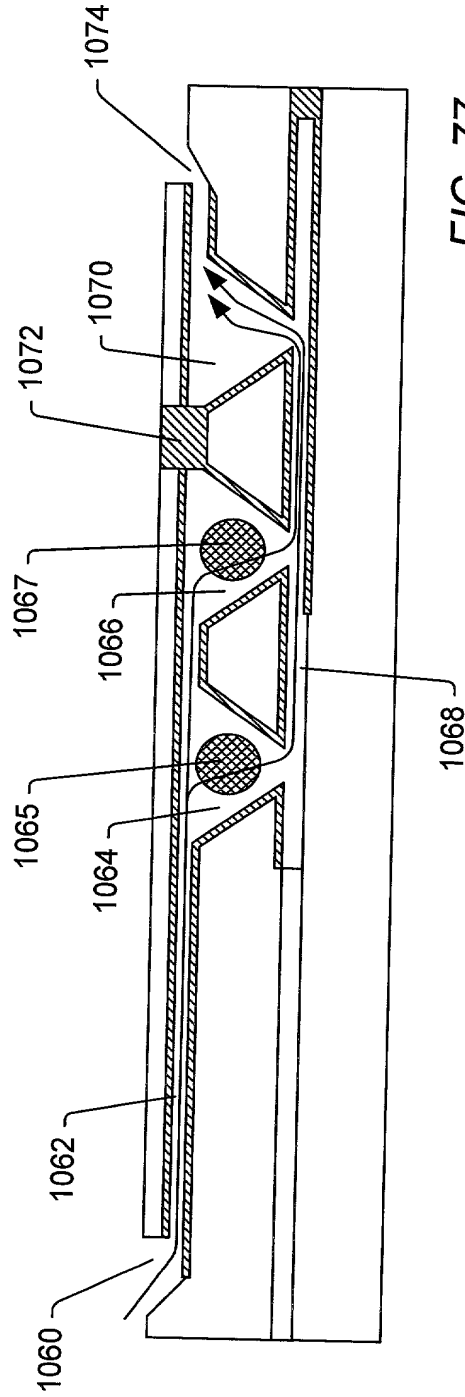


FIG. 77

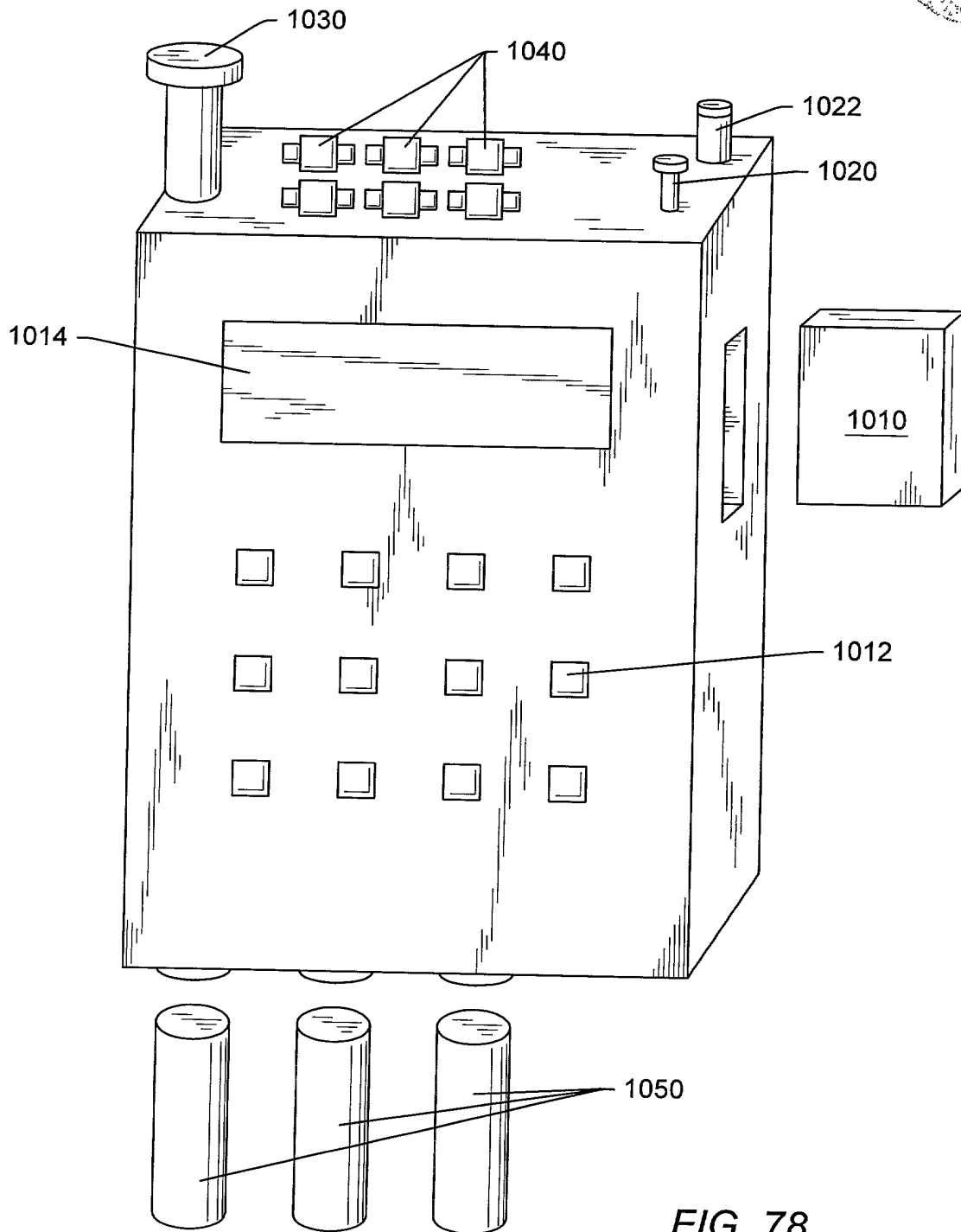
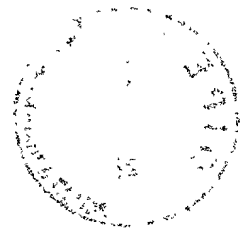


FIG. 78

2025-10-20 08:22:00

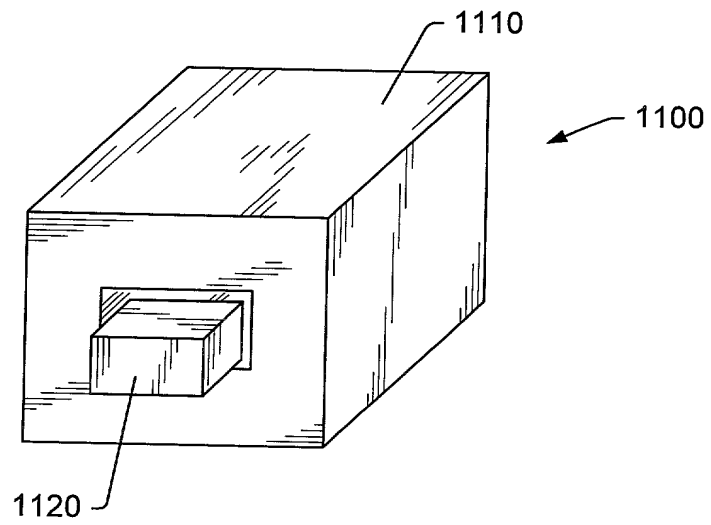


FIG. 79A

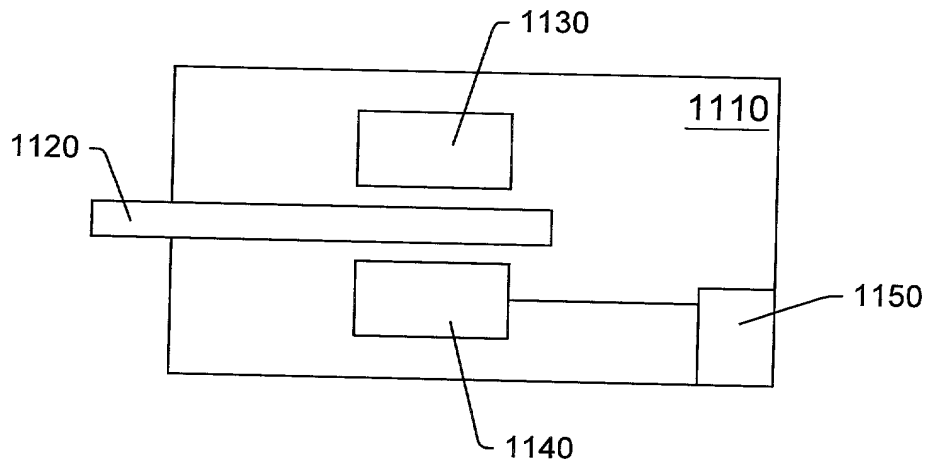
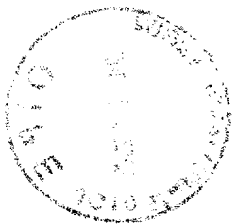


FIG. 79B

2007-07-08 00:00:00



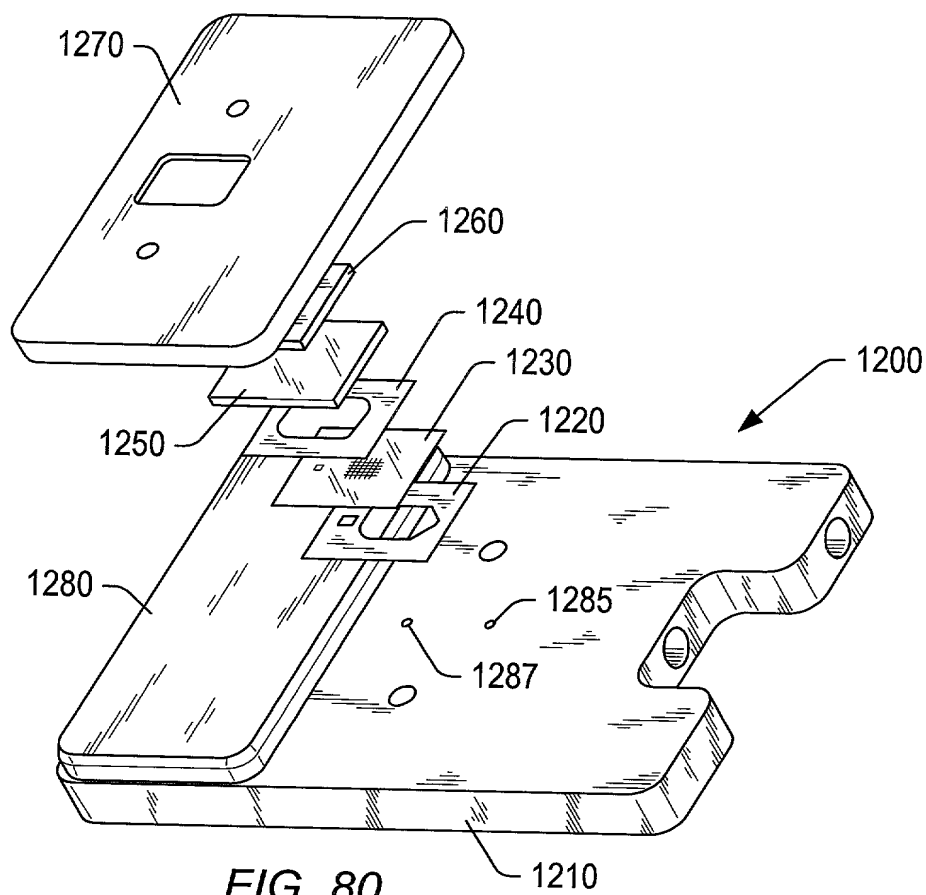


FIG. 80

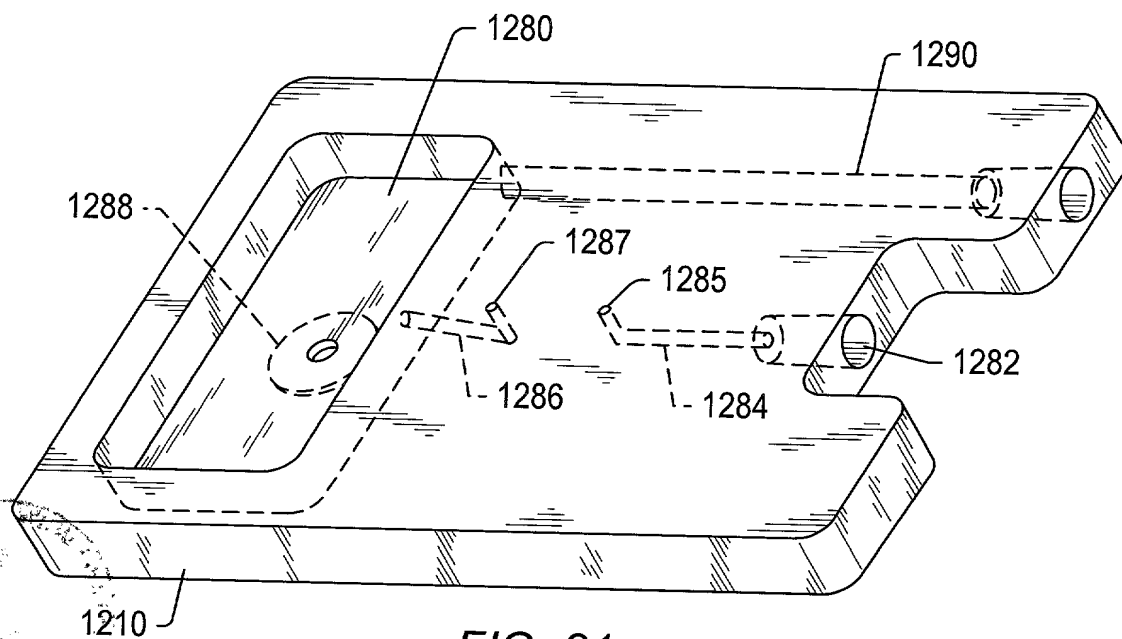
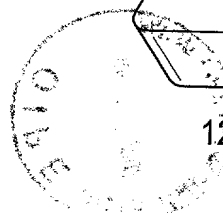


FIG. 81

208720 00822007



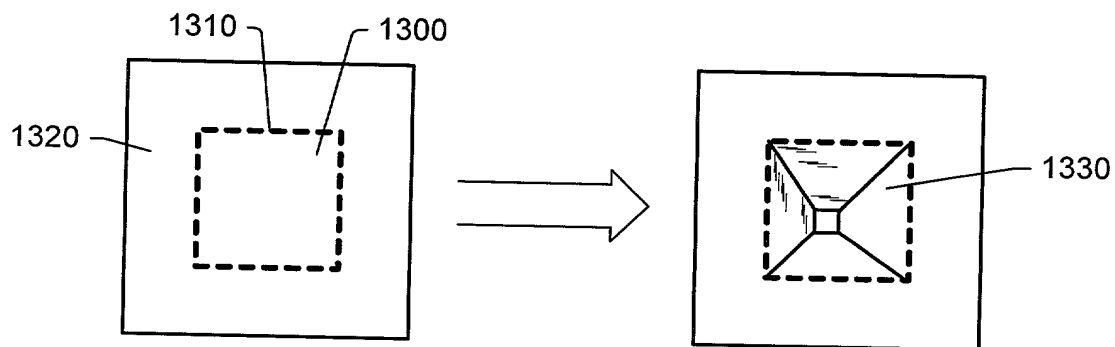


FIG. 82A

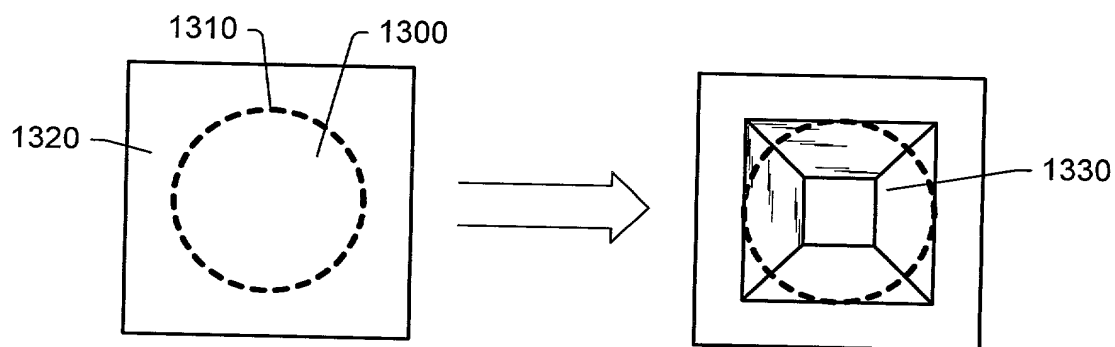
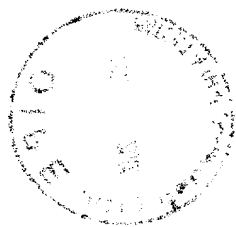


FIG. 82B



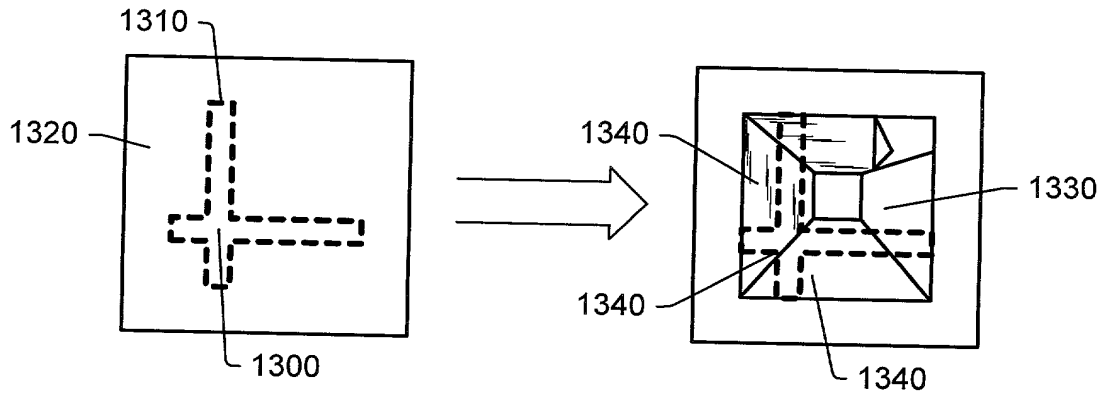


FIG. 83A

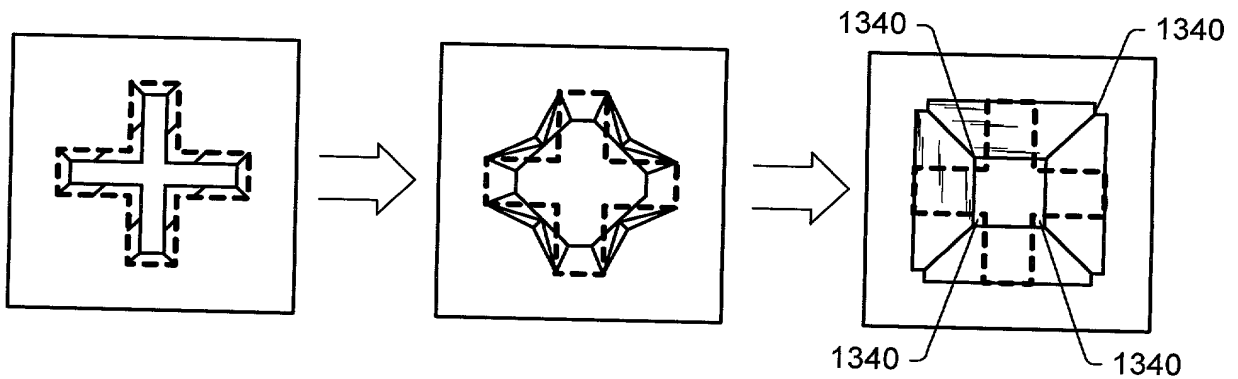
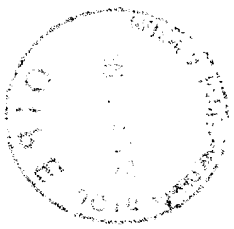


FIG. 83B

2007-01-08 00:00:00



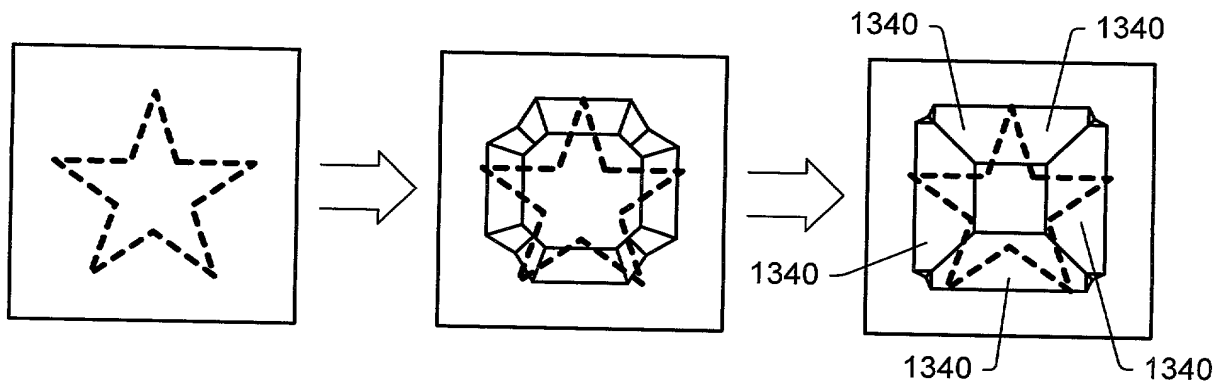


FIG. 84A

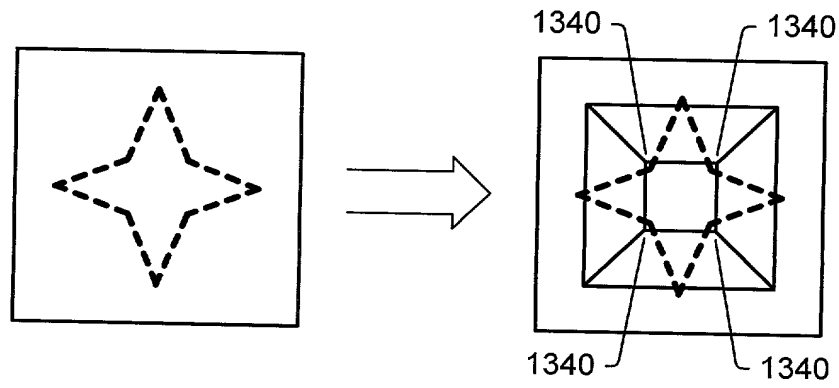


FIG. 84B

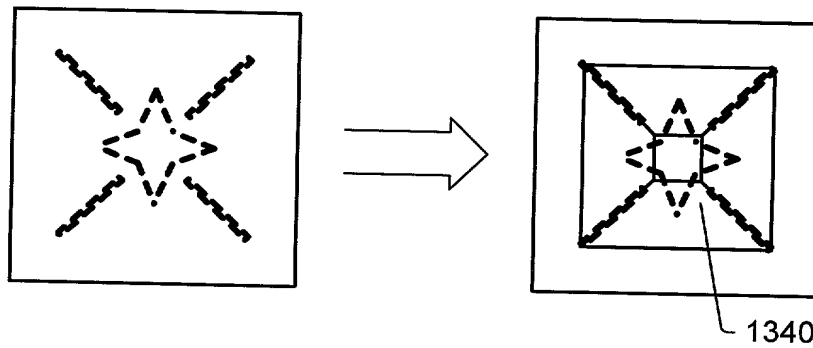
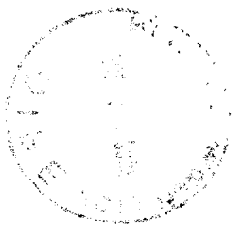


FIG. 84C

2025-08-08 10:00:00



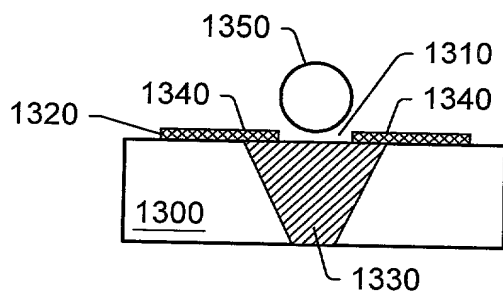


FIG. 85A

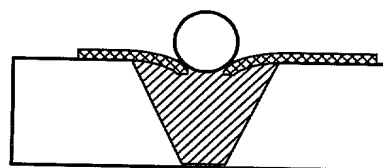


FIG. 85B

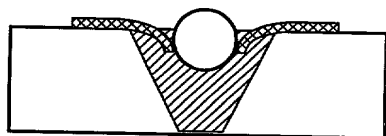


FIG. 85C

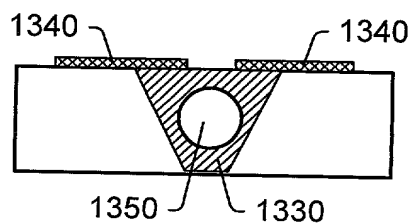
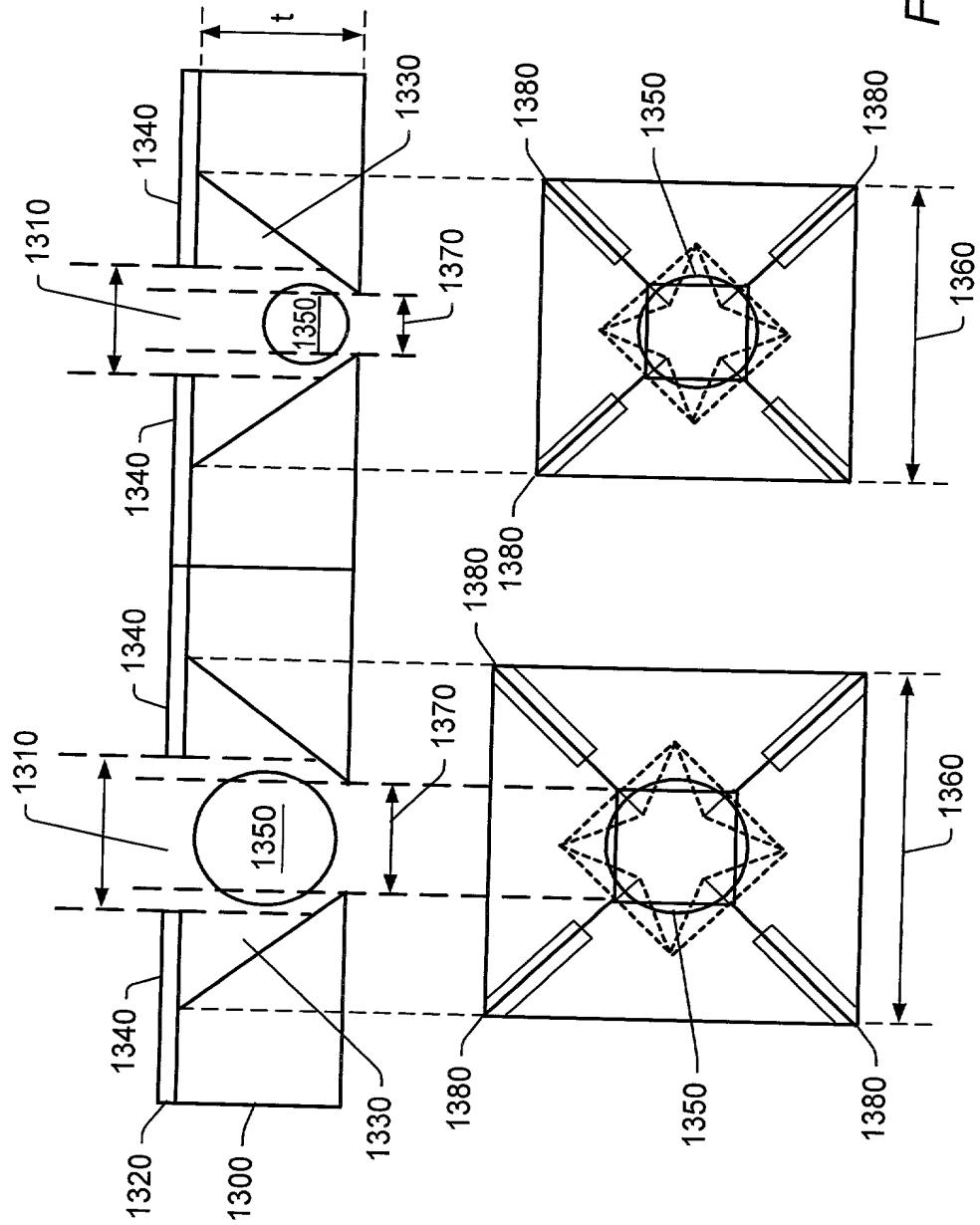


FIG. 85D

2007-09-08 22:00





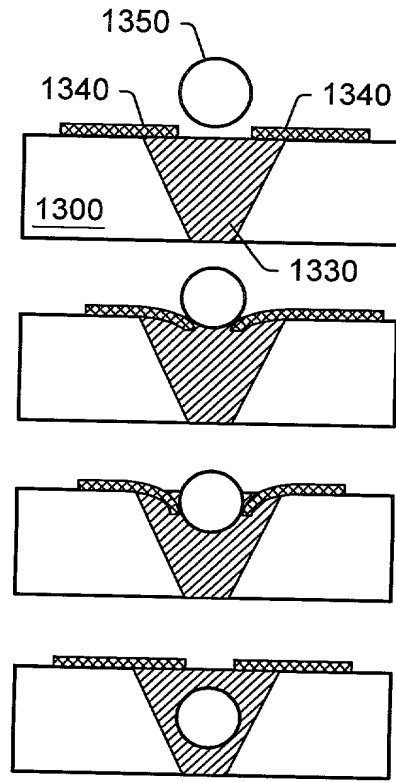


FIG. 87A

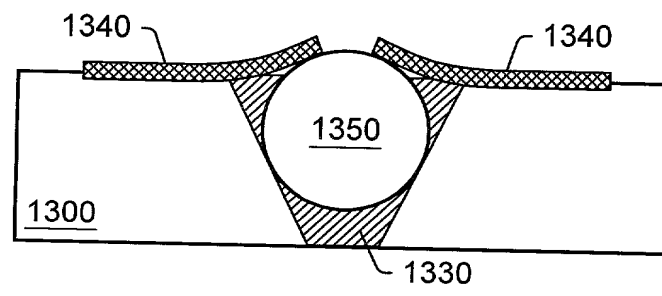


FIG. 87B

2025T/0" 0082/00T